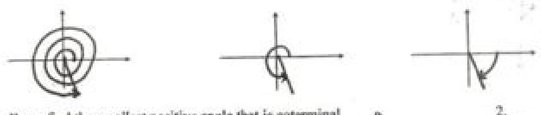
Linear programming word problems worksheet with answers

Continue

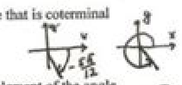
Trigonometry Review: Chapter 4.1-4.3

1. Find the measure of the *smallest* positive angle **and** the *largest* negative angle that are coterminal with the angle whose measure is 1375°. Sketch all 3 with directional arrows.

1375° 295 −65°



2. In **radians**, find the *smallest* positive angle that is coterminal with the angle whose measure is $\frac{-5\pi}{12}$.



3. In **radians**, find the complement **and** supplement of the angle whose measure is $\frac{3\pi}{8}$. $\frac{\pi}{2} - \frac{3\pi}{8} = \frac{\pi}{8}$; $\pi - \frac{3\pi}{8} = \frac{5\pi}{8}$

4. Convert to degrees, minutes, and seconds: 102.405°.

5. Convert to decimal degrees: -87°41'6".

6. Convert 295° to radians. Express you answer in terms of π.

7. Convert $\frac{7\pi}{12}$ to degrees.

8. Convert 4.25 radians to decimal degrees. Round to the nearest hundredth.

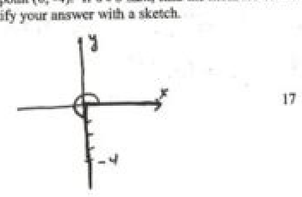
8.5 Evaluate with a calculator to the nearest hundredth:

a. sin 109° b. $\cos\frac{13\pi}{11}$ c. tan 3

d. cot 212° e. $\csc\frac{\pi}{5}$ f. sec 3.5

$\frac{1}{\tan 212°}$ $\frac{1}{\sin\frac{\pi}{5}}$ $\frac{1}{\cos 3.5}$

9. The terminal side of an angle θ in standard position passes through the point (0, -4). If $0 < \theta \leq 2\pi$, find the measure of the angle. Justify your answer with a sketch.



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2. $\frac{19\pi}{12}$

3. $\frac{\pi}{8}, \frac{5\pi}{8}$

4. 102° 24' 18"

5. −87.685

6. $\frac{59\pi}{36}$

7. 105°

8. 243.51°

a. 0.9455

b. −0.84

c. −0.14

d. 1.60

e. 1.70

f. −1.07

9. $\frac{3\pi}{2}$

Linear Programming (Solutions)

A) The area of a parking lot is 600 square yards. A car requires 6 square yards. And, a bus needs 30 square yards. The attendant can oversee only 60 vehicles. If a car is charged $2.50 and a bus is charged $7.50, how many of each should be accepted to maximize income?

1) Identify and label the variables: Let C = # of cars B = # of buses

2) Determine the objective function: "How many to maximize income"

2.5C + 7.5B = Income

3) List and graph the constraints: (space) 6C + 30B ≤ 600
(attendant) C + B ≤ 60

4) Test the corner points of the feasibility region.

(0, 0) : 2.5(0) + 7.5(0) = 0

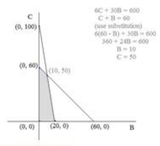
(0, 60) : 2.5(60) + 7.5(0) = 150

(10, 50) : 2.5(50) + 7.5(10) = 200

(20, 0) : 2.5(0) + 7.5(20) = 150

To maximize income -- under the given constraints -- the parking lot should have 10 buses and 50 cars!

6C + 30B = 600
C + B = 60
(use substitution)
6(60 − B) + 30B = 600
360 + 24B = 600
B = 10
C = 50



B) Spot builds dog houses. He needs 10 wooden boards and 15 nails to build a small dog house; and, he uses 15 boards and 45 nails for a large dog house. Spot makes a $40 profit on every small dog house and $52 profit on every large dog house. If he has 60 wooden boards and 135 nails, how many of each type of dog house should he make to maximize his profit? What will be Spot's maximum profit?

1) Identify the variables:

let S = # of small dog houses
L = # of large dog houses

2) Determine the objective function:
(i.e. optimization equation)

40S + 52L = Profit

3) List and graph the constraints:

10S + 15L ≤ 60 (available boards)
15S + 45L ≤ 135 (available nails)
S ≥ 0 (# of doghouses cannot be less than zero)
L ≥ 0

4) Test the corner points of the feasibility region:

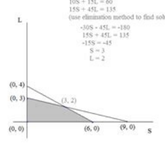
(0, 0) : 40(0) + 52(0) = 0

(0, 3) : 40(0) + 52(3) = 156

(3, 2) : 40(3) + 52(2) = 224

(6, 0) : 40(6) + 52(0) = 240

10S + 15L = 60
15S + 45L = 135
(use elimination method to find solution point)
-10S - 45L = -180
15S + 45L = 135
-15S = -45
S = 3
L = 2



Spot should only construct (6) small doghouses.
He would maximize his profit ($240).

Solving Linear Word Problems- Review Worksheet Name _____

Type 1- Given: y-intercept (b) and slope (m)

1. Mr. Thompson is on a diet. He currently weighs 260 pounds. He loses 4 pounds per month.
   a) Identify the rate of change (slope) and starting value, (y-intercept) in this situation.
   b) Write an equation that represents Mr. Thompson's weight after m months.
   c) After how many months will Mr. Thompson reach his goal weight of 220 pounds?

2. Paul opens a savings account with $350. He saves $150 per month. Assume that he does not withdraw money or make any additional deposits.
   a) Identify the rate of change (slope) and starting value, (y-intercept) in this situation.
   b) Write an equation that represents the total amount of money Paul deposits into his account after m months.
   c) After how many months will Paul have more than $2,000?

Type 2- Given: 2 points (x_1,y_1) and (x_2,y_2)

1. **Find slope, m = $\frac{(y_2-y_1)}{(x_2-x_1)}$**
2. **Find y-intercept, b, by plugging m, x_1, and y_1 OR m, x_2, and y_2 into slope-intercept equation, y= mx +b, and solving for b**

3. A machine salesperson earns a base salary plus commission based on the number of machines he sells. If he sells 150 he earns $85,000, and if he sells 200 machines he earns $100,000.
   a) Identify the rate of change (slope) in this situation
   b) What is the salesperson's base salary?
   c) Write an equation representing how much money the salesperson earns based on the number of machines sold.

4. The population of Bay Village has been increasing the last 20 years. Today, after 20 years the population has increased to 50,000 people. Ten years ago the population was 42,500.
   a) Identify the rate of change (slope) in this situation.
   b) What was the population 20 years ago (the y-intercept)?
   c) Write an equation representing the growth of the population as a function of years.

Linear Programming (Solutions)

C) A furniture store makes two types of chairs: rockers and swivels. Machines A an B are required to make each type of chair. Machine A can be run no longer than 20 hours in a day. Machine B is limited to 15 hours per day.
The following Table shows the time needed to produce each chair and the profit.

Chair	Machine A	Machine B	Profit
Rocker	2 hours	3 hours	$12
Swivel	4 hours	1 hour	$10

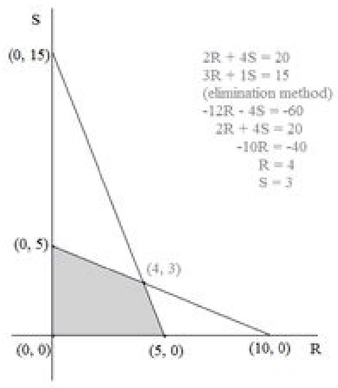
How many of each chair should be made each day to maximize profits?

1) Identify and label variables: R = # of rockers S = # of swivels

2) Determine the objective function: "how many to maximize profits?"

12R + 10S = Profit

3) List and graph the constraints: (time of machine use)
Machine A: $2R + 4S \leq 20$
Machine B: $3R + 1S \leq 15$



2R + 4S = 20
3R + 1S = 15
(elimination method)
-12R - 4S = -60
2R + 4S = 20
-10R = -40
R = 4
S = 3

4) Test the corner points of the feasibility region.

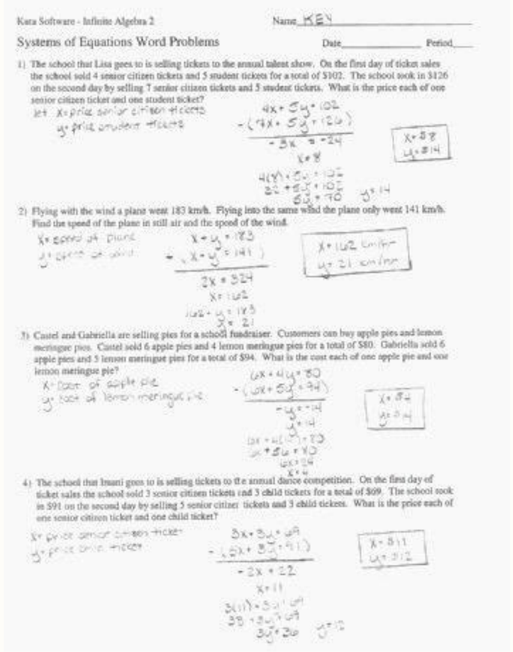
(0, 0) : 12(0) + 10(0) = 0

(0, 5) : 12(0) + 10(5) = 50

(4, 3) : 12(4) + 10(3) = 78

(5, 0) : 12(5) + 10(0) = 60

The furniture store should produce 4 rockers and 3 swivel chairs each day to maximize profits!


Kuta Software - Infinite Algebra 2 Name KEY

Systems of Equations Word Problems Date Period

1) The school that Lisa goes to is selling tickets to the annual talent show. On the first day of ticket sales the school sold 4 senior citizen tickets and 5 student tickets for a total of $102. The school took in $126 on the second day by selling 7 senior citizen tickets and 5 student tickets. What is the price each of one senior citizen ticket and one student ticket?

2) Flying with the wind a plane went 183 km/h. Flying into the same wind the plane only went 141 km/h. Find the speed of the plane in still air and the speed of the wind.

3) Castel and Gabriella are selling pies for a school fundraiser. Customers can buy apple pies and lemon meringue pies. Castel sold 6 apple pies and 4 lemon meringue pies for a total of $80. Gabriella sold 6 apple pies and 5 lemon meringue pies for a total of $94. What is the cost each of one apple pie and one lemon meringue pie?

4) The school that Inuri goes to is selling tickets to the annual dance competition. On the first day of ticket sales the school sold 3 senior citizen tickets and 3 child tickets for a total of $69. The school took in $91 on the second day by selling 5 senior citizen tickets and 3 child tickets. What is the price each of one senior citizen ticket and one child ticket?

If you're seeing this message, it means we're having trouble loading external resources on our website. If you're behind a web filter, please make sure that the domains *.kastatic.org and *.kasandbox.org are unblocked. Related Pages Venn Diagrams Intersection Of Two Sets Intersection Of Three Sets More Lessons On Sets More GCSE/IGCSE Maths Lessons What Are Venn Diagrams? Venn diagrams are the principal way of showing sets in a diagrammatic form. The method consists primarily of entering the elements of a set into a circle or ovals. Before we look at word problems, see the following diagrams to recall how to use Venn Diagrams to represent Union, Intersection and Complement. This video solves two problems using Venn Diagrams. One with two sets and one with three sets. Problem 1: 150 college freshmen were interviewed. 85 were registered for a Math class, 70 were registered for an English class, 50 were registered for both Math and English. a) How many signed up only for a Math Class? b) How many signed up only for an English Class? c) How many signed up for Math or English? d) How many signed up neither for Math nor English? Problem 2: 100 students were interviewed. 28 took PE, 31 took BIO, 42 took ENG, 9 took PE and BIO, 10 took PE and ENG, 6 took BIO and ENG, 4 took all three subjects. a) How many students took none of the three subjects? b) How many students took PE but not BIO or ENG? c) How many students took BIO and PE but not ENG? Show Video Lesson How And When To Use Venn Diagrams To Solve Word Problems? Problem: At a breakfast buffet, 93 people chose coffee and 47 people chose juice. 25 people chose both coffee and juice. If each person chose at least one of these beverages, how many people visited the buffet? Show Video Lesson How To Use Venn Diagrams To Help Solve Counting Word Problems? Problem: In a class of 30 students, 19 are studying French, 12 are studying Spanish and 7 are studying both French and Spanish. How many students are not taking any foreign languages? Show Video Lesson Probability, Venn Diagrams And Conditional Probability This video shows how to construct a simple Venn diagram and then calculate a simple conditional probability. Problem: In a class, P(male)= 0.3, P(brown hair) = 0.5, P (male and brown hair) = 0.2 Find (i) P(female) (ii) P(male| brown hair) (iii) P(female| not brown hair) Show Video Lesson Venn Diagrams With Three Categories Example: A group of 62 students were surveyed, and it was found that each of the students surveyed liked at least one of the following three fruits: apricots, bananas, and cantaloupes. 34 liked apricots. 30 liked bananas. 33 liked cantaloupes. 11 liked apricots and bananas. 15 liked bananas and cantaloupes. 17 liked apricots and cantaloupes. 19 liked exactly two of the following fruits: apricots, bananas, and cantaloupes. a. How many students liked apricots, but not bananas or cantaloupes? b. How many students liked cantaloupes, but not bananas or apricots? c. How many students liked all of the following three fruits: apricots, bananas, and cantaloupes? d. How many students liked apricots and cantaloupes, but not bananas? Show Video Lesson Venn Diagram Word Problem Here is an example on how to solve a Venn diagram word problem that involves three intersecting sets. Problem: 90 students went to a school carnival. 3 had a hamburger, soft drink and ice-cream. 24 had hamburgers. 5 had a hamburger and a soft drink. 33 had soft drinks. 10 had a soft drink and ice-cream. 38 had ice-cream. 8 had a hamburger and ice-cream. How many had nothing? (Errata in video: 90 - (14 + 2 + 3 + 5 + 21 + 7 + 23) = 90 - 75 = 15) Show Video Lesson Venn Diagrams With Two Categories This video introduces 2-circle Venn diagrams, and using subtraction as a counting technique. Show Video Lesson How To Use 3-Circle Venn Diagrams As A Counting Technique? Learn about Venn diagrams with two subsets using regions. Show Video Lesson Try the free Mathway calculator and problem solver below to practice various math topics. Try the given examples, or type in your own problem and check your answer with the step-by-step explanations. We welcome your feedback, comments and questions about this site or page. Please submit your feedback or enquiries via our Feedback page. Recommended: 10th, 11th Prerequisite: Algebra 1, Geometry Test Prep: CLEP College Algebra, CLEP College Mathematics Course Description: This course covers advanced algebra topics including: linear equations, matrices, absolute value, inequalities, factoring, parabolas, quadratics, complex numbers, exponents, polynomials, functions, composite functions, inverse functions, rational expressions, conic sections, probability mechanics, algebraic and geometric sequences and series and basic trigonometric functions. Most topics include solving and graphing equations. Students will learn by using online texts and videos. Students will do daily problem solving, including SAT prep questions. Grading will be based on quizzes, tests and a final exam. This course comes from Algebra 2 Online! and Intermediate Algebra; it also uses Math is Fun, Yay Math! and Khan Academy. Algebra 2 Online has taken down the assignments we linked to. We were able to copy their questions and answers before they closed. We may be switching back some assignments when they have their update ready. Because of the graphs and complicated equations, much of it was put on our site as images. If an image is ever too small for comfort, just enlarge it on your screen. (For example: Use ctrl + on Windows, your fingers on a mobile device, etc.) Notes: You will sometimes need graph paper. I will not put this in later for you to print out. Print some out before you begin the course to have on hand. You are allowed to use a calculator during this course. Do not use programs that solve the problems for you. There is no point to using those when you are just learning. You won't learn how to solve the problems if someone is doing it for you. The calculator is for calculations. You already are great at multiplying and dividing and don't need to spend time working out answers to those types of things. You can even use a calculator on tests. Cheating is a form of lying, and like lies, it eventually catches up to you. Lesson 1(*) (Note that an asterisk * indicates that there is a worksheet on this lesson) Welcome to your first day of school! I wanted to give you one important reminder before you begin. Many of your lessons below have an internet link for you to click on. When you go to the different internet pages for your lessons, please DO NOT click on anything else on that page except what the directions tell you to. DO NOT click on any advertisements or games. DO NOT click on anything that takes you to a different website. Just stay focused on your lesson and then close that window and you should be right back here for the next lesson. Okay? If you didn't get here through My EP Assignments, I suggest you go there and create an account. (*)Print out your grading sheet or use the Excel version. Complete the warm-up problems. Record up to 3 points for at least three correct answers. Review order of operations when evaluating expressions. Click on the two video examples on expressions, simplifying and evaluating. Pause the video and try the examples yourself. Then watch to check your answers. Take the quiz on expressions. These types of quizzes are really like your homework. If you need to go back and look at the lesson, it's okay to do that. It's not cheating. Record your score out of 7. This is the end of your work for this course for your first day. You are allowed to move at your own pace (this is homeschooling), but it's intended you complete one lesson a day. Lesson 2 Lesson 3 Do the warm-up problems. Record up to 3 points for at least three correct answers. Read about the parts of the graph and answer questions one through five. Record your score out of 5. Review averages by reading the pages and answering the questions. (Remember, you can use a calculator.) Record your score out of 10. Lesson 4 Find the mean, median, mode, and range of 13, 25, 7, 28, 42, 7, 15, 23, 1, 17. Answers: (17.8, 16, 7, 41) (This is warm-up topic 1.4) Record up to 3 points for at least three correct answers. Try solving equations. Do the first seven. Check your answers and go over the solutions to any you got wrong. Now solve the equations. Check your answers. Record your score out of 5. Lesson 5 Do you remember that absolute value is always positive? Use the link for a quick review. Watch the video and use the worksheet to take notes on absolute value equations. Take the quiz. Record your score out of 9. Lesson 6 Lesson 7 Do the warm-up problems on solving absolute value equations. Record up to 3 points for at least three correct answers. Read about solving inequalities and do the first five questions. If you get one wrong, do one more. Go over the two examples of solving inequalities with and / or. Take the quiz on solving inequalities. (Just a reminder that you can use your notes while taking all of these types of "quizzes." This is like homework or an in-class assignment.) In number three it uses the symbol for infinity; it looks like a sideways 8. Record your score out of 5 (potential for extra credit). (My calculus teacher gave us an extra credit point every time we wrote a problem on the board. We could basically get one point every day.) Lesson 8 Lesson 9 Review — test questions will come from these exercises Do these exercises for review. Lesson 10(*) Continue some review. (*)Take the short test. When you take a test, you have to close your notebook and all of your tabs/windows on your computer. Check your answers. Record your score out of 14. (up to two points for each) ALWAYS hold onto your written tests. You can use these for review later. Lesson 11 Lesson 12 Do the warm-up problems on domain and range. Record up to 3 points for at least three correct answers. Read about linear equations (or the equation of a straight line). You don't need to use the links on the page. Do questions one through five. Record up to 5 points for your correct answers. Play more with making a graph from an equation. Make the graphs of the example equations by clicking and dragging the points on the graph. Record 5 points for making each of the five equations. Take off a point for any you couldn't make. Go through this video presentation on linear equations. Lesson 13* Lesson 14 Lesson 15 Do the warm-up problems on linear equations. Record up to 3 points for at least three correct answers. Review slope. Read about the other form of writing the equation of a straight line, point-slope form. Try the five questions. Look at writing equations in point-slope form. Try this example. Take the slope quiz. Record your score out of 5 (potential for extra credit). Lesson 16 Lesson 17 A little review… Do the presentation on functions (or read the topic text). Then do the practice and review. Record your review score out of 6. Lesson 18 Do the warm-up, presentation or topic text, practice and review on evaluating functions. You shouldn't need the worked examples, but use them if you do. Record your review score out of 2. Lesson 19 Do the presentation or topic text, worked examples as necessary, practice and review on graphing types of functions. (You may have to think back to Algebra 1 for some of this. Don't freak out about it! We're not recording grades today or on Lesson 20.) Lesson 20 Lesson 21 Do the warm-up problems on writing linear equations. Record up to 3 points for at least three correct answers. Learn about scatter plots and answer the questions. Lesson 22 Lesson 23 Learn about the greatest integer function, step functions and floor and ceiling functions. How are they all related? Lesson 24 Lesson 25 Review — test questions will come from these review problems Do these problems for review. Your test on Lesson 26 will only cover these items. A cumulative test will come later. Lesson 26(*) Continue to review with these problems. (*) Take your test. Check your answers. ALWAYS hold onto your written quizzes. You can use these for review later. Record your score out of 5. Lesson 27 Lesson 28 Lesson 29* Lesson 30 Do the warm-up problems on graphing systems of equations. Record up to 3 points for at least three correct answers. Scroll down to the section on "Solving by Substitution." Read that section and work through the examples. Here's another lesson on solving by substitution. Write an algebraic expression to solve the pencil and jar puzzle. When you have tried a solution, check your answer. You'll get 2 points for the correct answer for the first problem and 5 points for a correct answer for the second. (All extra credit points, record them out of 0.) Lesson 31 Do two math problems for SAT practice. (You may choose to create a free account.) Study this page on systems of equations. Stop when it gets to three variables. You don't need to learn that right now. Take notes on the vocabulary (i.e., "consistent," "dependent," etc.) Answer questions 1-8 at the bottom of the page. Record your score out of 7 (potential for an extra credit point). Watch this lesson on classifying systems of equations. Solve these systems of equations. Record your score out of 4; one point for the graph and one point for the answer. Lesson 32 Lesson 33 Lesson 34 Lesson 35 Lesson 36 Lesson 37 Do two math problems for SAT practice. Do the warm-up problems on solving inequalities graphically. Record up to 3 points for at least three correct answers. Watch the video on absolute value inequalities. Try these two problems. Pause the video, copy down the problem, solve it and then watch the solution. Lesson 38 Lesson 39 Click on each type of transformation in the list (translation, reflections, dilation, rotation). Read the lesson and then try the practice examples. Use graph paper and then check your answers. Lesson 40 Lesson 41 Do two math problems for SAT practice. I took a course in college that used linear programming. We solved systems of equations in order to figure out where companies should place distribution centers, how many employees a company should have, etc. We wrote as many equations as we could to put as much information into the decision as possible and solved. These are the constraints, the limitations our decision was bound by. (The company will only spend a certain maximum amount of money on each employee, or only wants so many trucks in operation, etc.) You'll be doing a smaller version of that today. Go through these examples of linear programming. Take the quiz. (Enlarge the images to see them better. Use ctrl + on Windows, your fingers on a mobile device, etc.) Record your score out of 5 (potential for extra credit). Lesson 42 Lesson 43* Do two math problems for SAT practice. Do the warm-up problems on linear programming problems. Record up to 3 points for at least three correct answers. *Print out this worksheet to take notes as you watch the video below. Watch the video lesson on solving systems of equations with three variables. Lesson 44 Lesson 45 Review — test questions will come from these problems Lesson 46(**) Lesson 47* Lesson 48 Do two math problems for SAT practice. Find the determinant of the matrices. Answer the questions at the bottom of the page. Do page one of this worksheet packet on matrices. Write in definitions of the bold-faced words. Search online if necessary, but you can probably just use your brain! Write the dimensions of the example matrices and do the problem at the bottom of the page. Hold onto your written work for your portfolio. Figure out your grade for the first quarter. Lesson 49 (*)Print out your grading sheet or use the Excel version. Do two math problems for SAT practice. Watch the lessons on adding matrices. Stop the videos when you are ready to try it yourself and then check your answers. adding (subtracting is the same, just straight across to corresponding elements) additive inverse (What matrix would you add to use the additive identity property?) (answer: It would have all zeros.) Practice adding and subtracting matrices. Record your score out of 4. Watch the lessons on multiplying matrices. Don't forget to stop and solve at some point. Try it out! Take the quiz. Record your score out of 5 (potential for extra credit). Lesson 50 Go through these pages on solving determinants. Do pages four and five of the matrix worksheet packet. Do the numbered problems (nine of them). Check your answers. Record your score out of 9. (This is listed on the grading sheet on Lesson 51.) Do you remember Cramer's Rule? Lesson 51 Lesson 52 Lesson 53 Lesson 54 Lesson 55 Lesson 56 Lesson 57 Lesson 58 Lesson 59 Lesson 60 Do two math problems for SAT practice. Read the page on exponent properties. Answer questions 1-10. Use the page as necessary to remind yourself of the rules. Record your score out of 10 (potential for extra credit). You can do any of the "hard" problems for extra credit points if you get them right. Lesson 61 Lesson 62 Lesson 63 Lesson 64 Lesson 65 Lesson 66 Lesson 67* Do two math problems for SAT practice. *Print out this worksheet to take notes while you watch the video. Watch the video on dividing polynomials with long division. Try the quiz. Do numbers 8-13. If you get one wrong, you can try another problem to try to earn back that point.) Record your score out of 6. Record eight if you have a six because that means you either knew your stuff or you didn't give up and kept trying. Lesson 68 Do two math problems for SAT practice. Solve using long division. Skip the third one. You'll learn about synthetic division in the next lesson. Give yourself that point. Record your score out of 5. Watch the lessons on factoring trinomials. Remember to pause and try things first when you can. Start at minute 14 and you can stop after that example. (If you want more help, you can start at the beginning.) Here are more examples that you could try before he does them. You can skip a minute into it. Lesson 69 Lesson 70 Do the warm-up, presentation, worked examples (as necessary) and practice on the introduction to rational expressions. Record your score out of 5 for the practice. (These can have a different number of questions, but record up to five points. You only have to subtract points if you get fewer than five correct. This goes for any of the warm-up activities you'll be doing that say to record out of five. Lesson 71 Lesson 72 Lesson 73 Do the review from Lesson 72's topic. Do the warm-up, presentation, worked examples (as necessary) and practice on complex rational expressions. Record your score out of 5 for the practice. Lesson 74 Lesson 75 Do the review from Lesson 74's topic. Do the warm-up, presentation, worked examples (as necessary) and practice on rational formulas. Record your score out of 5 for the practice. Lesson 76 Lesson 77 Lesson 78 Lesson 79 Do the warm-up, presentation, worked examples (as necessary) and practice on roots. Record your score out of 5 for the practice. Lesson 80 Lesson 81 Lesson 82 Lesson 83 Do the review section from Lesson 82. Do the warm-up, presentation, worked examples (as necessary) and practice on rationalizing denominators. Record your score out of 5 for the practice. Lesson 84 Do the review section from Lesson 83. Do the warm-up, presentation, worked examples (as necessary) and practice on solving radical equations. Record your score out of 5 for the practice. Lesson 85 Do the review section from Lesson 84. Do the warm-up, presentation, worked examples (as necessary) and practice on complex numbers. Record your score out of 5 for the practice. Lesson 86 Do the review section from Lesson 85. Do the warm-up, presentation, worked examples (as necessary) and practice on operations on complex numbers. Record your score out of 5 for the practice. Lesson 87 Lesson 88 Do the review section from Lesson 87. Do the warm-up, presentation, worked examples (as necessary) and practice on operations on the quadratic formula. Record your score out of 5 for the practice. Lesson 89 Lesson 90 Do two math problems for SAT practice. Complete these exercises to review. This is the end of the quarter. Figure your final grade. Make sure you save your written work. You can also print a screen shot of the sites we are using. How is your grade? What can you do to improve it? Lesson 91 Lesson 92 Lesson 93(*) Lesson 94 Lesson 95 Do two math problems for SAT practice. Do the two problems on this worksheet without using your notes. Check your notes to see if you did it right. Correct any problems. Take the quiz. (Don't email your score to me!) Score up to 2 points for each question. Record your score out of 10. Lesson 96 Lesson 97(*) Lesson 98 Lesson 99 Lesson 100 Lesson 101 Lesson 102 Lesson 103 Lesson 104 Lesson 105 Lesson 106 Do two math problems for SAT practice. Solve these quadratic word problems. Try them first and then look through the solutions. There are just the problems on the page. There are no extra questions at the end. Lesson 107 Lesson 108 Lesson 109* Lesson 110 Lesson 111 Lesson 112 Lesson 113 Lesson 114 Lesson 115 Lesson 116 Lesson 117 Lesson 118(*) Lesson 119 Lesson 120 Lesson 121 Do two math problems for SAT practice. Use the distance and midpoint formulas to complete these exercises. review quiz Record your score out of 5. Lesson 122(*) Lesson 123(*) Lesson 124 You may use your notes for these. Take quiz on parabolas. Record your score out of 10. Take the quiz on circles. Record your score out of 10. Lesson 125(*) Lesson 126(*) Lesson 127 Take the quiz on ellipses. Record your score out of 10. Take the quiz on hyperbola. Record your score out of 10. Lesson 128 Lesson 129 Lesson 130 Lesson 131 Lesson 132 Do two math problems for SAT practice. Use the lesson links to learn about the composition of functions. Practice by completing all parts of numbers 1-3. Score up to 3 points for problems two and three and up to 4 points for the first problem. Record your score out of 10. Lesson 133 Do two math problems for SAT practice. Complete the practice on the composition of functions, completing all parts from questions 4-10. There are twenty questions. Record your score out of 20. Lesson 134 Do two math problems for SAT practice. Read about the inverse of a function and answer questions 1-3. (If you are up to the challenge, try question 6. Give yourself an extra credit point if you get number 6 correct.) NOTE! Don't worry about the sine, cosine, tangent words. That's trigonometry. Lesson 135(*) (*)Use this worksheet to take notes as you watch the video. Watch the video lesson on polynomial functions. Take the quiz on polynomial functions. Record your score out of 9. (potential for an extra credit point) Figure out your third quarter grade. Hold onto your written work. You can use screen shots to show the websites you are using as well. How is your grade? How can you improve it? Lesson 136(*) Lesson 137 Lesson 138 Lesson 139 Lesson 140 Do two math problems for SAT practice. Explore with the graph. Practice. Take the quiz. Record your score out of 5. Take one point off (of 5) for any incorrect answers. Lesson 141 Lesson 142 Lesson 143 Lesson 144 Lesson 145 Lesson 146 Lesson 147 Lesson 148 Lesson 149 Do two math problems for SAT practice. Take this review quiz and record your score out of 5. Read the lesson on factorials. Answer the first three questions at the bottom of the page. Lesson 150(*) Lesson 151(*) Lesson 152 Do two math problems for SAT practice. Read about the Binomial Theorem. Answer the questions. Do numbers 1-7. You can do numbers 8-10 as extra credit problems. Record your score out of 7. (potential for up to 3 points of extra credit) Lesson 153 Read about Euler's number and answer the three questions on the bottom of the page. Record your score out of 3. Give yourself an extra credit point if you can say the first 16 digits of Euler's number. Review permutations and answer the four exercises. Record your score out of 4. Review combinations and answer the three parts to Example 5. Record your score out of 3. Disclaimer The assignments, the collection of links, the structure of the curriculum and the files created by this site all belong to this blog owner and may not be copied and published to another site or used for any commercial benefit.

For linear power supplies (those designs having a transformer-rectifier-filter topology), the parameters determining ripple frequency are line frequency and rectification pulses. Notes: Note that I did not simply say the ripple frequency is equal to line frequency for half-wave rectification and double the line frequency for full-wave. Do the warm-up problems on linear programming problems. Record up to 3 points for at least three correct answers. *Print out this worksheet to take notes as you watch the video below. Watch the video lesson on solving systems of equations with three variables. Lesson 44. Do two math problems for SAT practice. 22/03/2022 · Can anyone solve these questions? So far, no one couldn't solve these problems Question 1 In Japan, there are tariffs, price supports, and import restrictions such as quotas on rice. Assume that the U… Need help with question 2 and 3 from this problem set 2. Consider the simple linear regression model yzfil—I—figm—l—u. Do the warm-up problems on linear programming problems. Record up to 3 points for at least three correct answers. *Print out this worksheet to take notes as you watch the video below. Watch the video lesson on solving systems of equations with three variables. Lesson 44. Do two math problems for SAT practice. 10/07/2019 · Advantages of CBSE Class 12 Maths Worksheets. By practising NCERT CBSE Class 12 Maths Worksheet, students can improve their problem solving skills.; Helps to develop the subject knowledge in a simple, fun and interactive way. No need for tuition or attend extra classes if students practise on worksheets daily. How to solve for a cubed variable, word problems 5th grade, algebra difference of two squares explanation, free printable worksheet on algebraic expressions, quadratic word problem solver. Quotient rule calculator, algebra 2 fun review, special products-algebra solver, how can I teach myself basic maths & english on line, math tutor by college student in maryland area. Venn Diagram Word Problem. Here is an example on how to solve a Venn diagram word problem that involves three intersecting sets. Problem: 90 students went to a school carnival. 3 had a hamburger, soft drink and ice-cream. 24 had hamburgers. 5 had a hamburger and a soft drink. 33 had soft drinks. 10 had a soft drink and ice-cream. 38 had ice-cream. 8 had a … If you're behind a web filter, please make sure that the domains *.kastatic.org and *.kasandbox.org are unblocked. Linear Programming Practice Problems. Solve the following linear programming problems: A doctor wishes to mix two types of foods in such a way that the vitamin contents of the mixture contain at least 8 units of vitamin A and 10 units of vitamin C. Food 'I' contains 2 units/kg of vitamin A and 1 unit/kg of vitamin C. Food 'II' contains 1 unit/kg of vitamin A and 2 units/kg of … Linear Programming Worksheets: Lines and Angles Worksheets: Lines of Symmetry Worksheets: … Solving Two Step Word Problems 3rd Grade Worksheets: 3rd Grade Money Worksheets: ... Each math worksheet is meticulously tailored to ensure that it not only complements the learning done in school but challenges the child to excel above that. Linear Programming Worksheets: Lines and Angles Worksheets: Lines of Symmetry Worksheets: … Solving Two Step Word Problems 3rd Grade Worksheets: 3rd Grade Money Worksheets: ... Each math worksheet is meticulously tailored to ensure that it not only complements the learning done in school but challenges the child to excel above that. If you're behind a web filter, please make sure that the domains *.kastatic.org and *.kasandbox.org are unblocked. 10/07/2019 · Advantages of CBSE Class 12 Maths Worksheets. By practising NCERT CBSE Class 12 Maths Worksheet, students can improve their problem solving skills.; Helps to develop the subject knowledge in a simple, fun and interactive way. No need for tuition or attend extra classes if students practise on worksheets daily. Pocketmath.net gives simple facts on x and y intercepts calculator, roots and fraction and other math topics. Should you require help on math homework or even multiplying and dividing fractions, Pocketmath.net will be the ideal place to have a look at! Interested in seeing how well you grasp a particular basic math concept? Take Study.com's short, multiple-choice quiz. Receive immediate feedback and results that reveal how well you did. The … Ratio/Proportion word problems worksheets ; scalefactor promblems ; algebra answers ; solving linear combinations ; free algebra step by step problem solving ; printable worksheets on real world applications of percentages "cross multiplication worksheets" cube route calculator ; nc algebra 8th grade chapter test ; cpm foundations for algebra … Quadratic Equations - Solving Word problems by Factoring Question 1c: A rectangular building is to be placed on a lot that measures 30 m by 40 m. The building must be placed in the lot so that the width of the lawn is the same on all four sides of the building. Local restrictions state that the building cannot occupy any more than 50% of the … Interested in seeing how well you grasp a particular basic math concept? Take Study.com's short, multiple-choice quiz. Receive immediate feedback and results that reveal how well you did. The … 16/08/2022 · The vertical change y 2 - y 1 is called the rise, and the horizontal change x 2 - x 1 the run.Draw a tangent through the topographic profile (the sloping dashed line).Step 2. Find the rise (Δz) and run (Δx) of the line.Here Δz = 800 m and Δx = 1150 m. Step 3. The calculation works perfectly fine as you can see in the row level. However, it doesn't work at the total level.

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