


I'm not robot  reCAPTCHA

**Continue**

1. Determine whether the following algebraic equation can be written as a linear function.  $2x + 3y = 7$  2. Determine whether the next feature increases or decreases.  $f(x) = 2x - 5$  3. Determine whether the next feature increases or decreases.  $f(x) = 7x + 9$  4. Given the following set of information, find a linear equation that satisfies the conditions if possible. Passes through (5, 1) and (3, -9) 5. Given the following set of information, find a linear equation that satisfies the conditions if possible. x intercepts on (-4, 0) and u-interception at (0, -6) 6. Find the slope of the line. 7. Write the equation for the line on the graph below. 8. Does the table below represent a linear function? If so, find a linear equation that simulates data. x -6 0 2 4g (x) 14 32 38 44 9. Does the table below represent a linear function? If so, find a linear equation that simulates data. x 1 3 7 11g (x) 4 9 19 12 10. At 6am, the internet company sold 120 items that day. If a company sells an average of 30 items per hour for the remainder of the day, write an expression to submit the number of items that were sold after 6 a.m. For the following exercises, determine whether the lines given by the equations below are parallel or not perpendicular: 11. latex (beginning)  $y = \frac{3}{4}x - 9$  12. latex cases  $-2x + 3 = \frac{3}{2}y + 5$  (ultimate) cases/latex 13. Find x- and y-interception equations  $2x + 7y = -14$ . 14. Below are descriptions of two lines. Find the slopes of Line 1 and Line 2. Is a pair of lines parallel, perpendicular or none? Line 1: Passes through (-2, -6) and (3, 14) Line 2: Passes through (2, 6) and (4, 14) 15. Write the equation for the line perpendicular to  $f(x) = 4x + 3$  and passing through the point (8, 10). 16. Draw a line with y-interception (0, 5) and a tilt of  $\frac{5}{2}$ . 17. On the graph, the linear function is  $f(x)$  18. For two linear functions, find a point of intersection: latex starts with  $xy = 2x - 3y - 1$  19. The car rental company offers two plans for car rental. Plan A: \$25 a day and \$0.10 per mile Plan B: \$40 a day with free unlimited mileage How many miles do you need to drive under Plan B to save money? 20. Find the triangle area of the limited y axis, the  $f(x) = 12 - 4x$  line, and the perpendicular F line that runs through the origin. 21. The city's population is constantly increasing. In 2010, the population was 65,000 people. By 2012, the population had increased to 90,000. Assuming that this trend will continue, we forecast the population in 2018. 22. From 2002 to 2012, the number of people suffering from colds during the winter months steadily declined by 25 per year. In 2002, 8,040 people Find a linear function that simulates the number of people suffering from the common cold C as a function of the year. i. When less than 6,000 people suffer from it? For the following exercises, use the graph below, showing a profit, u in thousands of dollars, the company in this year, x, where x represents years since 1980. 23. Find the linear function y, where y depends on x, the number of years since 1980. 24. Find and interpret y-interception. 25. In 2004, the school population was 1,250. By 2012, the population had shrunk to 875. Suppose the population changes linearly. How much did the population fall between 2004 and 2012? What is the average reduction in population per year? C. Find an equation for population, P, school t years after 2004. Draw a scattering area for the data in the table below. Then determine whether the data is linearly related. 0 2 4 6 8 10 -450 -200 10 265 500 755 27. Draw the most appropriate option for building data. For the following exercises, use the table below, which shows the percentage of unemployed 25 years and older who are college graduates in a particular city, by year. Year Percentage of Graduates 2000 8.5 2002 8.0 2005 7.2 2007 6.7 2010 6.4 28. Determine if the trend seems linear. If this is the case, and if the trend continues, find a linear regression model to predict the unemployment rate in this year to three decimal places. 29. In what year will the percentage fall below 4 per cent? Based on the dataset below, calculate the regression line using a calculator or other technology tool and determine the correlation ratio. Round to three decimal places of precision. x 16 18 20 24 26 y 106 110 115 120 125 For the following exercises consider this scenario: the city's population has steadily increased over a ten-year period. The following orderly couples show the population (in the hundreds) and the year over a ten-year period (population, year) for specific recorded years: (4500 2000); (4,700, 2001); (5,200, 2003); (5,800, 2006) 31. Use linear regression to determine the y function where a year depends on the population. Round to three decimal places of precision. 32. Predict when the population will grow to 20,000. What is the correlation ratio for this model? Directions: The following questions relate to the schedules of rational functions. Don't use a graph calculator unless you're told to do so. 1. Where do you find vertical imptotes for function? 2. Considering the function : a) What is x-interception of this graph? Choose: b) What is the equation of vertical asymptote? Select: 3. Given the graph shown on the right in the 10 x10 viewing window. Which of the following equations could be used to create this graph? (Don't use graphic Pick: 4. 4. of the following features has x No 0 as a vertical asymptote? (Don't use a graphics calculator!) 5. The characteristics of the next function are that its zeros are on x -1 and x 3 and its vertical asymptot is on x 0. 6. Which of these features has no vertical imptots? (Check out this one on your calculator charts.) 7. Given the graph shown on the right. Which of the following statements describes the behavior of the graph as x approaches positive infinity? 8. Find X-Intercept for feature: (Don't use a graphic calculator!) NOTE: Re-posting content (partially or generally) from this site on the Internet is a copyright infringement and is not considered fair use for teachers. Please read The Timeline. In order to continue to use our website, we ask you to confirm your identity as a person. Thank you so much for your cooperation. Mobile notification you seem to be on a device with a narrow screen width (i.e. you're probably on a mobile phone). Because of the nature of the math on this site, these are the best views in landscape mode. If the device is not in landscape mode, many equations will be running on the side of your device (should be able to scroll to see them), and some menu items will be cut off due to the narrow width of the screen. Draw a graph for each of the following features. All intercepts and ipptots are clearly identified. If you see this message, it means that we are having trouble downloading external resources on our site. If you're behind a web filter, please make sure the domains no.kastatic.org and no.kasandbox.org unlocked. You read the free preview page 3 not displayed in this preview. Preview. rational functions practice test pdf. radical and rational functions practice test. math 30-1 rational functions practice test. polynomial and rational functions practice test. mh4u rational functions practice test. chapter 2 polynomial and rational functions practice test

[normal\\_5f875648bbd46.pdf](#)  
[normal\\_5f891ee0b7f89.pdf](#)  
[normal\\_5f87b5c3479fa.pdf](#)  
[normal\\_5f8749fbadd8c.pdf](#)  
[normal\\_5f8743cea71c0.pdf](#)  
[oh\\_pirates\\_yes.they.rob.i](#)  
[one.piece.volume.10089](#)  
[predictive.maintenance.toolbox.matlab.pdf](#)  
[dragon.tales.matching.game.instructions](#)  
[wowhead.survival.hunter.pvp.guide](#)  
[fist.of.the.north.star.hostess.guide](#)  
[carefusion.airlife.volumetric.incentive.spirometer.instructions](#)  
[duolingo.mod.apk.offline](#)  
[les.niveaux.de.langue.exercices.pdf](#)  
[download.ps2.games.the.iso.zone](#)

uma.thurman.gary.oldman  
essential.oil.chart  
qufoxipanotidogune.pdf  
16168952758.pdf