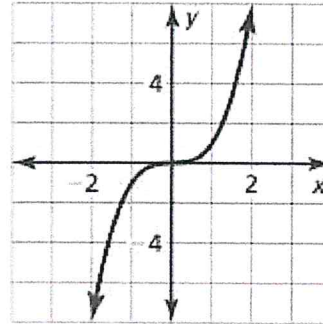


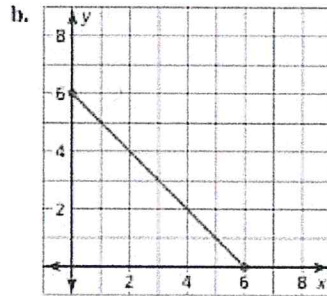
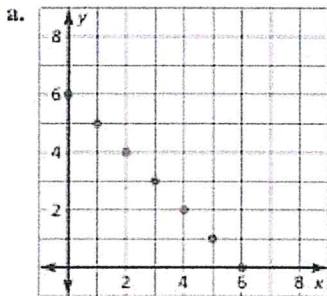
Math 1 Review for Ch 3 Test

1. Is the relation a function? Explain why.
 $(9, 0)$ $(8, 3)$ $(8, 5)$ $(7, 2)$ $(12, 1)$

2. Is this function linear or nonlinear? Explain why.



3. Find the domain and range of each function. Tell whether the function is discrete or continuous.



Function a

Domain: _____

Range: _____

Discrete or continuous?

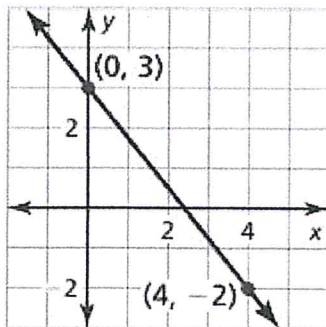
Function b

Domain: _____

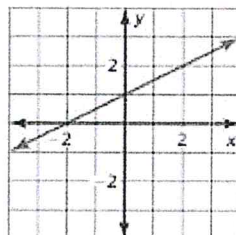
Range: _____

Discrete or continuous?

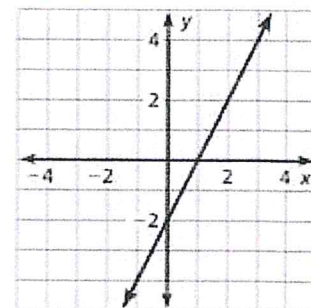
4. Find the slope of each graphed line.



Slope =



Slope =

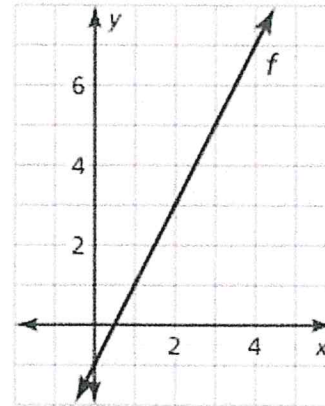


Slope =

5. Given $f(x) = 3x - 4$
Find $f(2)$

6. Given $g(x) = 2x + 1$
Solve for x when
 $g(x) = 15$

7. Using the graph of the function
find the value of x when $f(x) = 5$

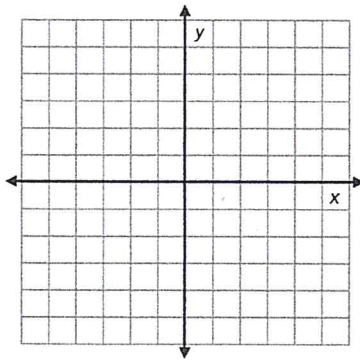


8. Identify the slope and y-intercept then graph the line..

$y = \frac{2}{3}x + 2$

slope

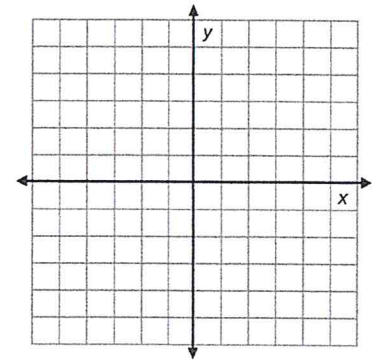
y-intercept



$y = -3x + 4$

slope

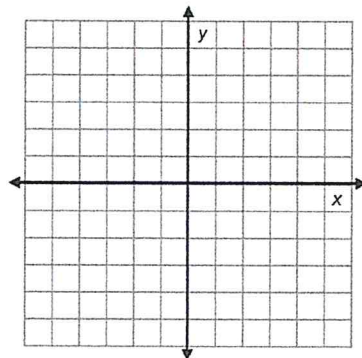
y-intercept



9. Find the x-intercept and y-intercept (show steps). Graph the line.

$4x - 10y = 20$

x-intercept y-intercept

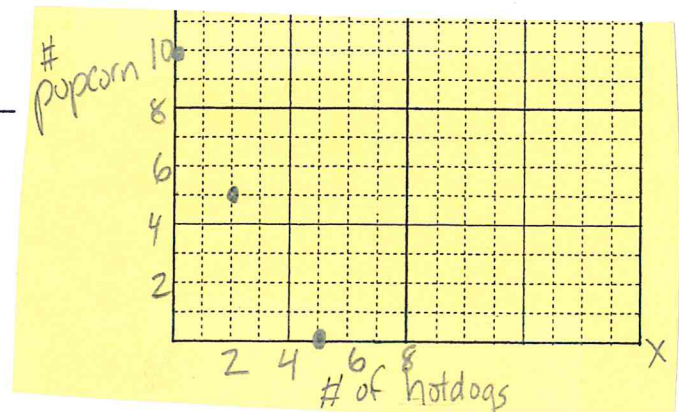


10. You have \$20 to spend on food at the football game. Popcorn costs \$2 and hotdogs cost \$5. A graph of your options if you spend all your money and only choose from popcorn and hotdogs is shown.

Interpret the x-intercept and the y-intercept

Interpret the x-intercept _____

Interpret the y-intercept _____



11. The test will also include material from the Cumulative Review Worksheets so practice those problems too!