

Name: _____

Date: _____

Math 9 Ch4 Review Linear Functions:

1. Find the "Slope", "Y – intercept" and "X" intercept for each of the following equations. Show all your work and steps:

a) $y = \frac{3}{5}x + 12$

Slope: _____

Y: Intercept: _____ X: Intercept _____

b) $y = 12 + \frac{-5x}{4}$

Slope: _____

Y: Intercept: _____ X: Intercept _____

c) $6x - 8y = 10$

Slope: _____

Y: Intercept: _____ X: Intercept _____

d) $3y = \frac{4}{2}x - 7$

Slope: _____

Y: Intercept: _____ X: Intercept _____

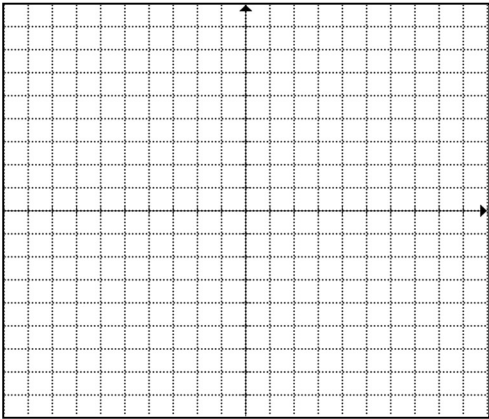
e) $4x = 8y + \frac{12}{5}$

Slope: _____

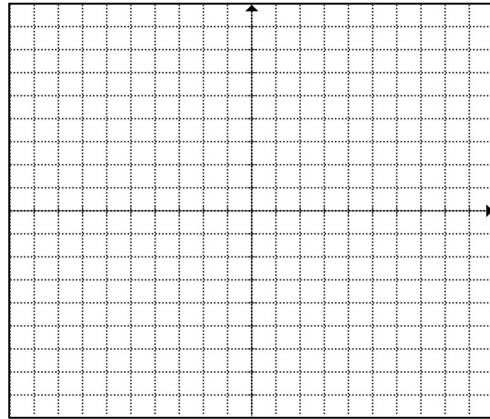
Y: Intercept: _____ X: Intercept _____

2. Graph each of the following lines on the grid provided. Label both X and Y intercepts on the graph. Indicate what the slope is:

$$y = \frac{3x}{2} + 4$$



$$3y = 10 - 7x$$



3. Complete the following table of values:

$$y = \frac{2}{3}x + 11$$

x	-4	-2	4	8
y				

4. A line has a slope of $\frac{3}{2}$ and a y-intercept at $(0,9)$. What is the equation of the line in the form of $y = mx + b$?
5. A line has a slope of $\frac{3}{2}$ and a X-intercept at $(4,0)$. What is the equation of the line in the form of $y = mx + b$?
6. A line has a X-intercept at $(4,0)$ and a Y-intercept at $(0,-8)$. What is the equation of the line in the form of $y = mx + b$?