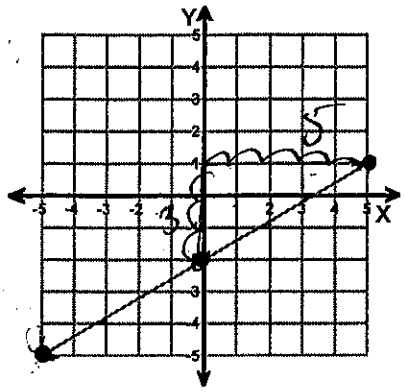
Name : Key Score : #6

Teacher : Date :

Homework

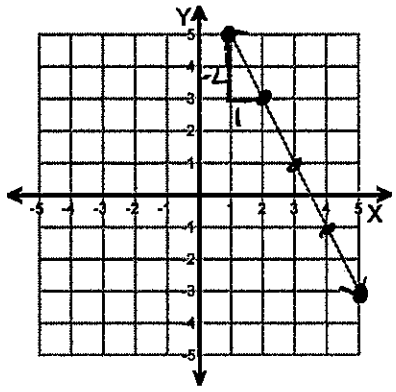
What is the slope of each line ?

1) 

Slope = $\frac{3}{5}$

$m = \frac{rise}{run}$

$m = \frac{3}{5}$

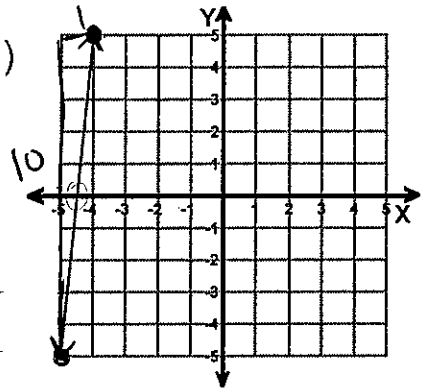
2) 

Slope = -2

$m = \frac{rise}{run}$

$m = \frac{-2}{1}$

$m = -2$

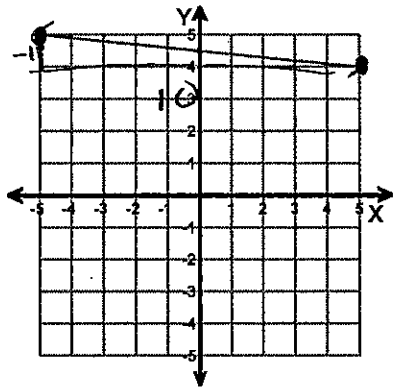
3) 

Slope = 10

$m = \frac{rise}{run}$

$m = \frac{10}{1}$

$m = 10$

4) 

Slope = $-\frac{1}{10}$

$m = \frac{rise}{run}$

$m = -\frac{1}{10}$

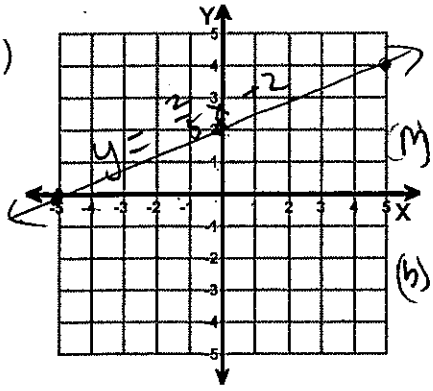
5) $y = \frac{7}{8}x - 3$ (m) Slope = $\frac{7}{8}$

6) $y = \frac{1}{3}x - 3$ (m) Slope = $\frac{1}{3}$

7) $y = \frac{1}{3}x - 2$ (m) Slope = $\frac{1}{3}$

8) $y = \frac{1}{8}x + 3$ (m) Slope = $\frac{1}{8}$

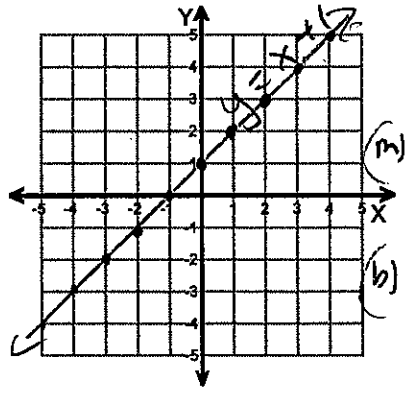
Write the slope-intercept form and plot the equation of each line given the slope and y-intercept.

9) 

(m) Slope = $\frac{2}{5}$

(b) y-intercept = 2

Equation : $y = \frac{2}{5}x + 2$

10) 

(m) Slope = $\frac{1}{1}$

(b) y-intercept = 1

Equation : $y = x + 1$

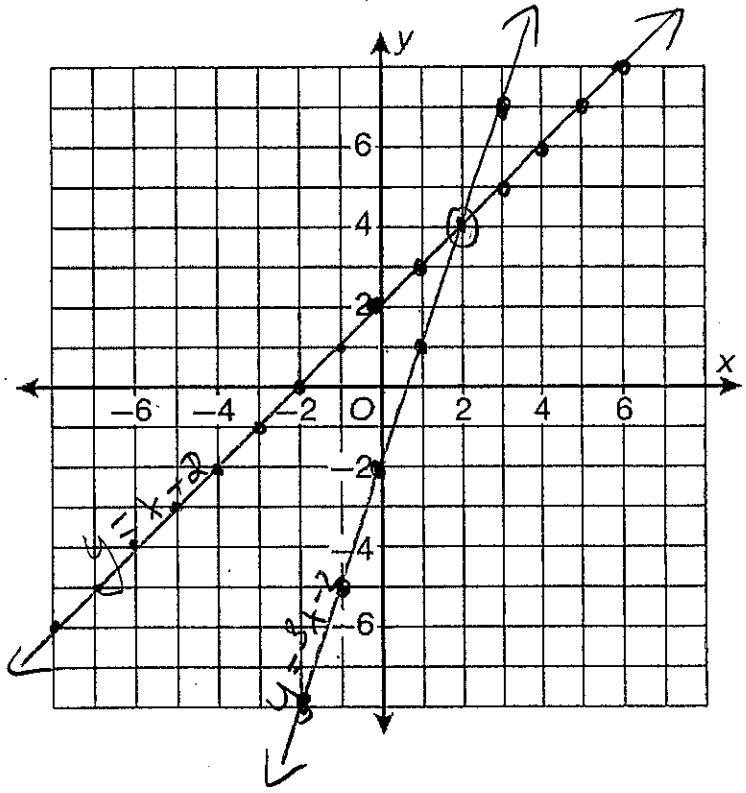
Name Key
Date

Homework

Directions: **Solve** the following systems of equations graphically and **determine** whether the system is **consistent, inconsistent, or dependent.**

1) $y = 3x - 2$

$y = x + 2$



$y = 3x - 2$

m = $\frac{3 \uparrow}{1 \rightarrow}$

b = -2

$y = x + 2$

m = $\frac{1 \uparrow}{1 \rightarrow}$

b = 2

Solution: $(2, 4)$

Type of system: Consistent