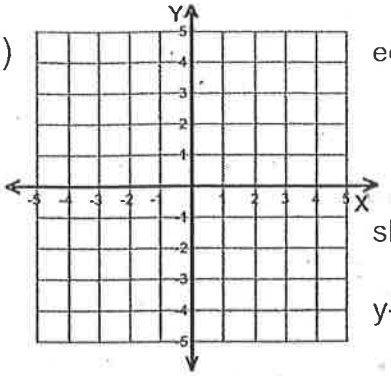
Name: _____ Date : _____

Sketch Each Line and Find the Slope and Y-intercept

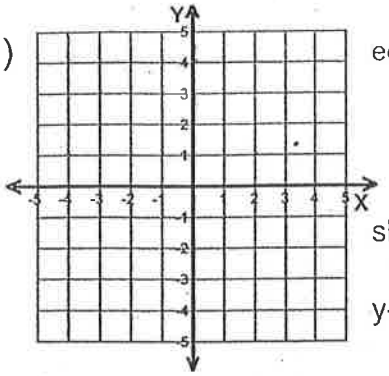
$(y = mx + b)$ (m) (b)

1) 

equation $y = -\frac{1}{3}x + 1$

slope (m) = _____

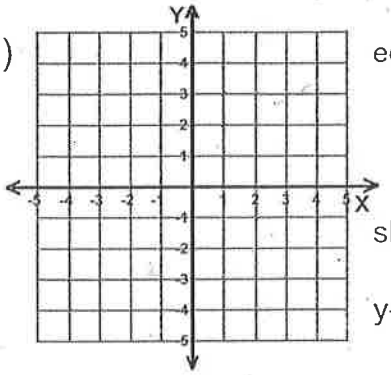
y-intercept = _____ (b)

2) 

equation $y = -\frac{2}{5}x - 2$

slope (m) = _____

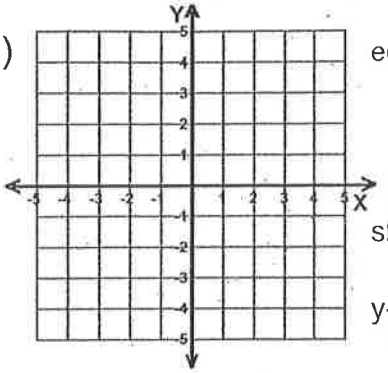
y-intercept = _____

3) 

equation $y = -\frac{2}{3}x - 3$

slope (m) = _____

y-intercept = _____ (b)

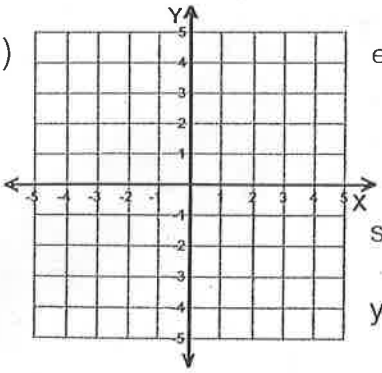
4) 

equation $y = \frac{1}{2}x - 1$

slope (m) = _____

y-intercept = _____

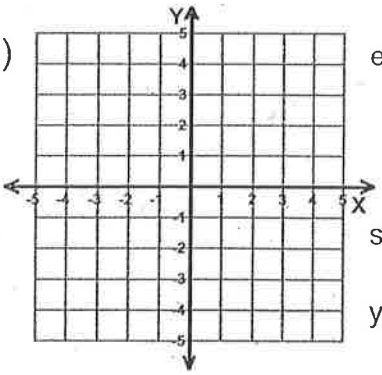
Sketch Each Line and Write the Equation $(y = mx + b)$

5) 

equation _____

slope (m) = -3

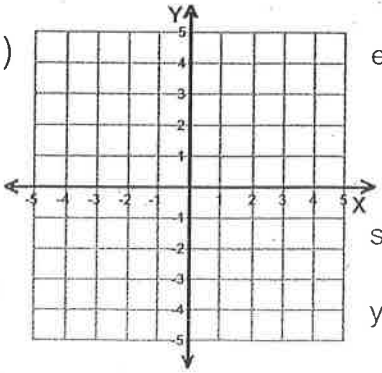
y-intercept = -3 (b)

6) 

equation _____

slope (m) = $\frac{1}{4}$

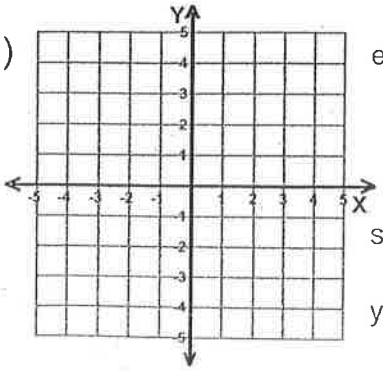
y-intercept = -2 (b)

7) 

equation _____

slope (m) = $\frac{1}{5}$

y-intercept = -2

8) 

equation _____

slope (m) = $-\frac{1}{3}$

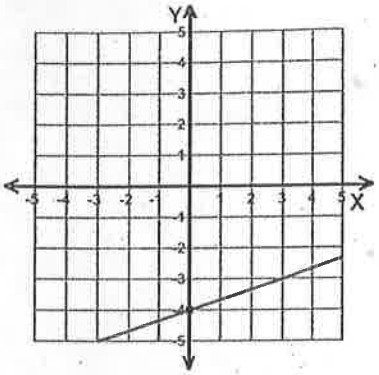
y-intercept = 4

Name : _____ Score : _____

Teacher : _____ Date : _____

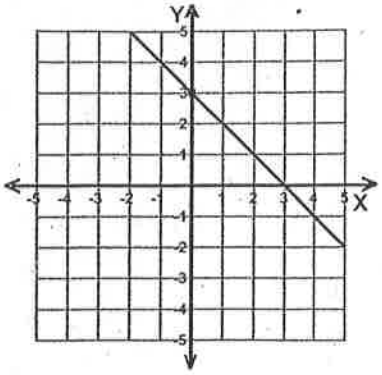
Write the Equation from Each Line

1)



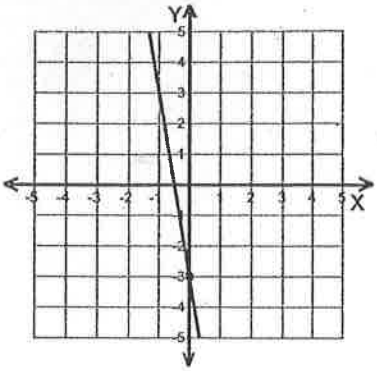
y = _____

2)



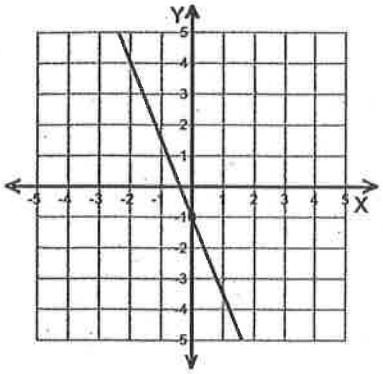
_____

3)



y = _____

4)



_____

Find the Slope and Y-intercept for Each Equation

1) $-6x + 4y = -12$

slope = $\frac{3}{2}$

y-intercept = -3

$\frac{4y}{4} = \frac{6x - 12}{4}$

$y = \frac{6}{4}x - 3$

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

2) $y = -\frac{8}{3}x + 4$

slope = _____

y-intercept = _____

3) $-4x + 3y = -6$

slope = _____

y-intercept = _____

4) $4x - 3y = 3$

slope = _____

y-intercept = _____

5) $x + 4y = 32$

slope = _____

y-intercept = _____

6) $x - y = 12$

slope = _____

y-intercept = _____