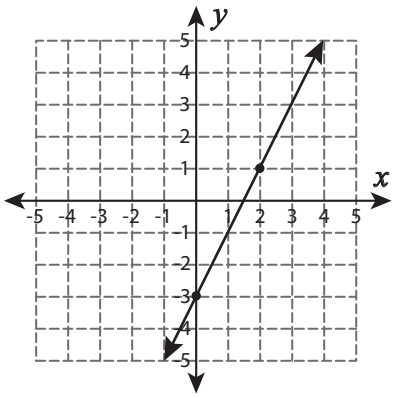
Name : _____

Level 1: S1

Find the Slope

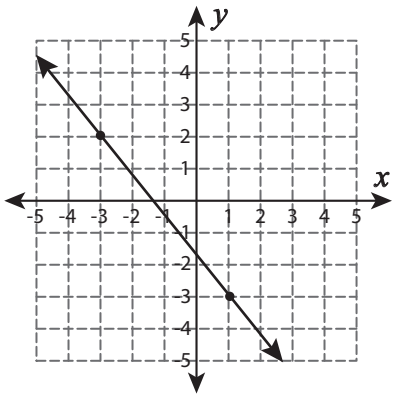
Calculate the rise and run to find the slope of each line.

1)



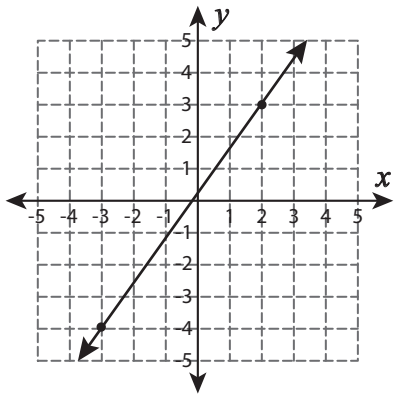
Slope = _____

2)



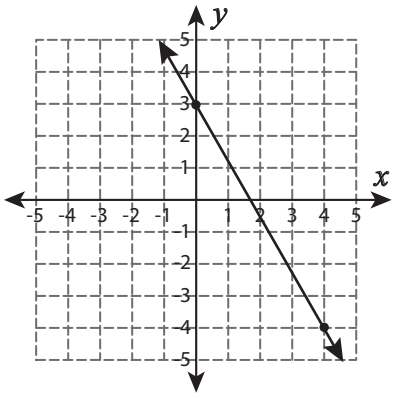
Slope = _____

3)



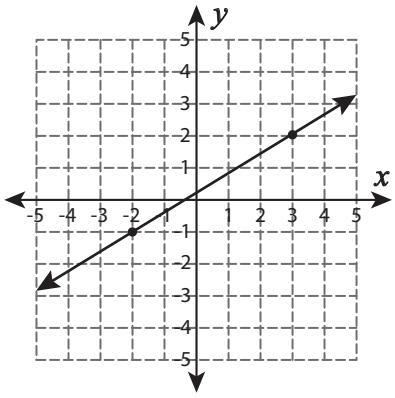
Slope = _____

4)



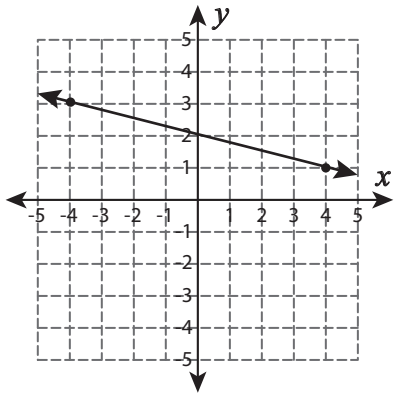
Slope = _____

5)



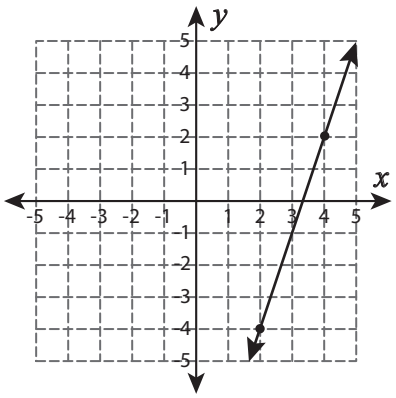
Slope = _____

6)



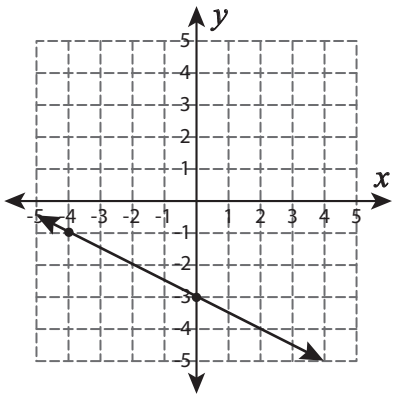
Slope = _____

7)



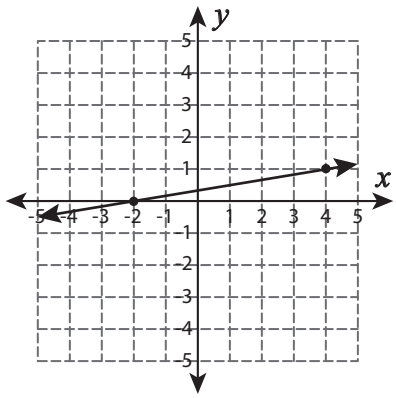
Slope = _____

8)



Slope = _____

9)



Slope = _____

Name : _____ Score : _____

Identify Slope and Intercept

L1S1

Write the slope and y-intercept of each equation.

1) $y = -5x + 6$

2) $y = 3x - 2$

3) $y = -2x - 4$

4) $y = 8x + 1$

5) $y = 5x - 3$

6) $y = -3x - 9$

7) $y = 7x + 2$

8) $y = -x + 6$

9) $y = -4x + 7$

10) $y = -6x - 8$

11) $y = 8x - 5$

12) $y = 9x + 3$

Name : _____ Score : _____

Equation of a Line

Sheet 1

Part - A

Find the equation of the line with the given slope and the y-intercept.

1) slope = –3 ; y-intercept = 4

2) slope = –1 ; y-intercept = 0

3) slope = $\frac{1}{5}$; y-intercept = –5

4) slope = 2 ; y-intercept = –9

5) slope = –8 ; y-intercept = 8

6) slope = –4 ; y-intercept = $-\frac{7}{2}$

7) slope = 9 ; y-intercept = 2

8) slope = 5 ; y-intercept = –1

Part - B

1) If a line cuts the y-axis at y = –6 and the slope of the line is –10, find the equation of the line.

_____

2) Find the equation of the tangent whose slope is 3 and has the y-intercept 1.

_____

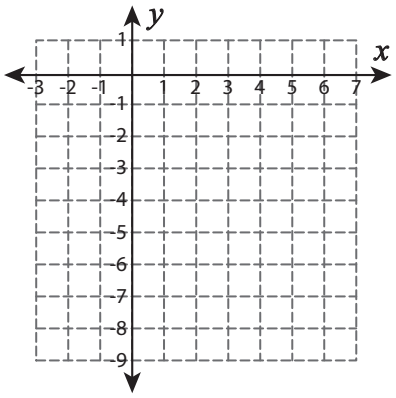
Name : _____ Score : _____

Graphing a Line

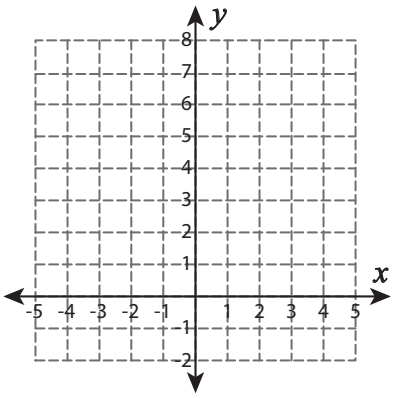
L1S1

Graph the line using the given slope and the y-intercept.

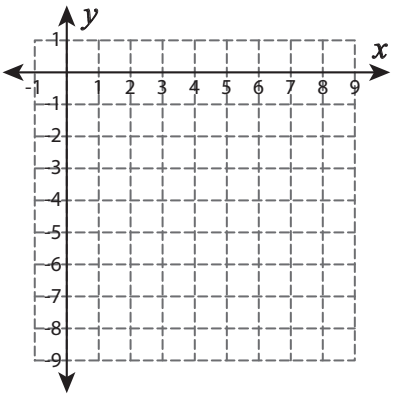
1) Slope = $-\frac{7}{6}$; y-intercept = –1



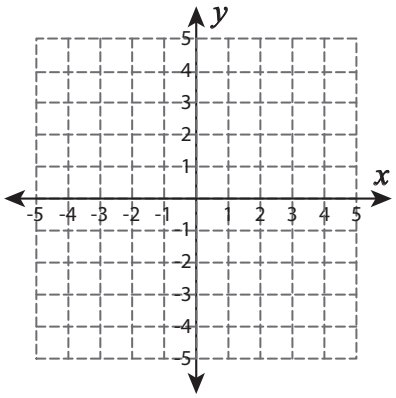
2) Slope = –4 ; y-intercept = 7



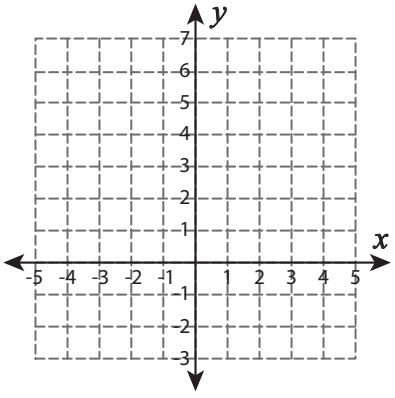
3) Slope = $\frac{5}{7}$; y-intercept = –6



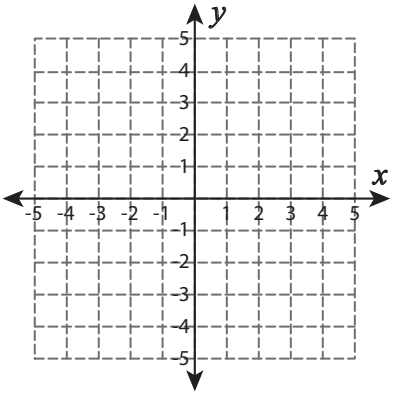
4) Slope = 8 ; y-intercept = –4



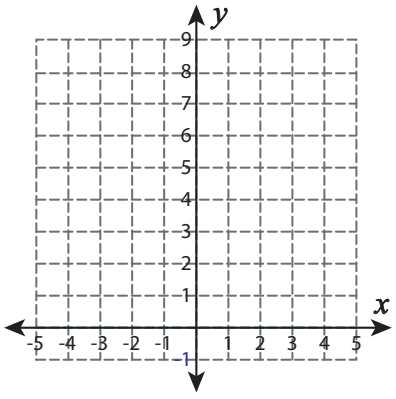
5) Slope = $\frac{3}{4}$; y-intercept = 2



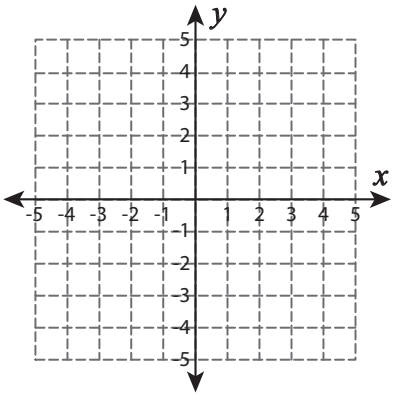
6) Slope = –1 ; y-intercept = –3



7) Slope = 5 ; y-intercept = 3



8) Slope = –2 ; y-intercept = –2



9) Slope = $-\frac{3}{5}$; y-intercept = 4