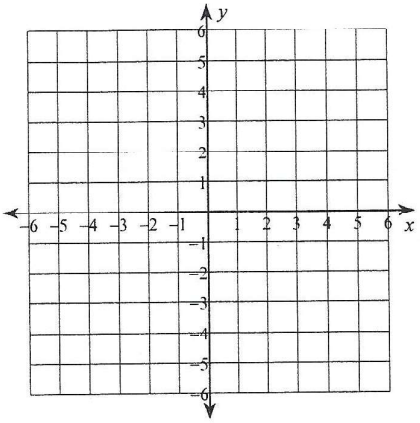
Foundations of Algebra Name_____ ID: 1

Unit 2 Test

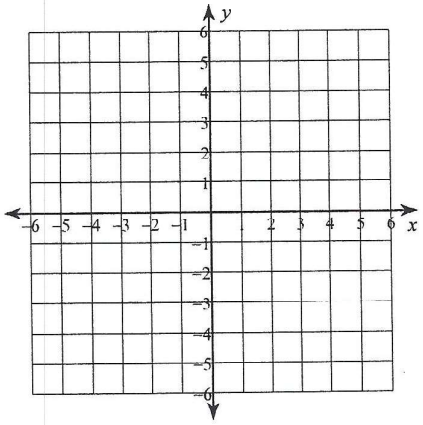
Date_____ Period____

Sketch the graph of each line using the slope intercept form of graphing or by creating a table of values.

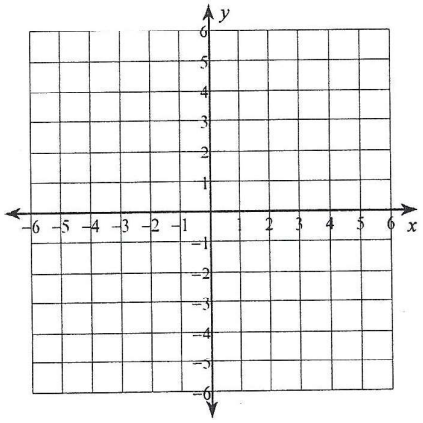
1) $y = -x - 2$



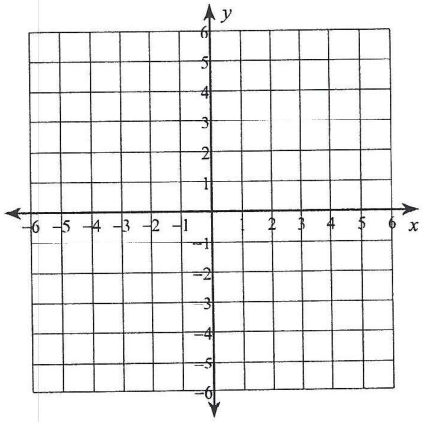
2) $x = 4$



3) $y = x$

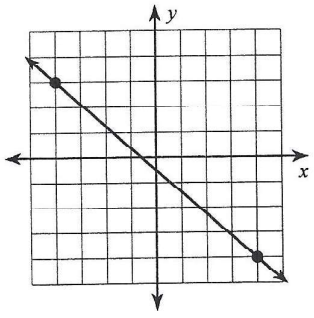


4) $y = 4$

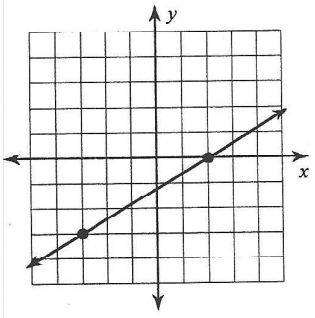


Find the slope of each line.

5)



6)



Find the slope of the line through each pair of points.

7) $(-15, -20), (-1, -16)$

8) $(-14, 0), (-3, 13)$

Find the slope of each line.

9) $y = -\frac{1}{4}x - 3$

10) $x = -3$

Solve each equation.

11) $-288 = 16n$

12) $-17 = 1 + x$

13) $17 = 10k + 7$

14) $-160 = 8(1 + 2p) + 5p$

Solve each proportion.

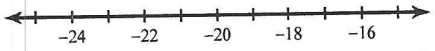
15) $\frac{4}{5} = \frac{x}{3}$

16) $\frac{x}{9} = \frac{6}{7}$

Solve each inequality and graph its solution.

17) $n - 9 \geq -11$

18) $\frac{x}{2} \geq -10$



19) $6n + 2 \leq 38$

20) $1 \leq 3 + \frac{n}{2}$