Slope – Day 7   Name _____
Assignment   Date _____ Period _____

1.   Write an equation for the line with a slope of $\frac{3}{2}$ that passes through (0, 2).

2.   Write an equation for the line that passes through (2, 6) and (3, 6).

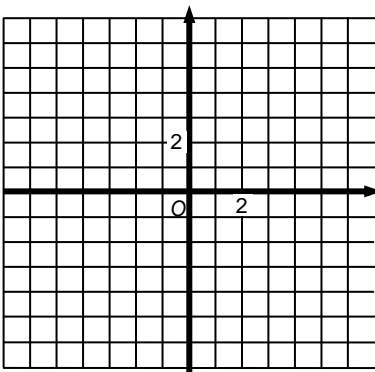Write an equation that represents the data in the table.
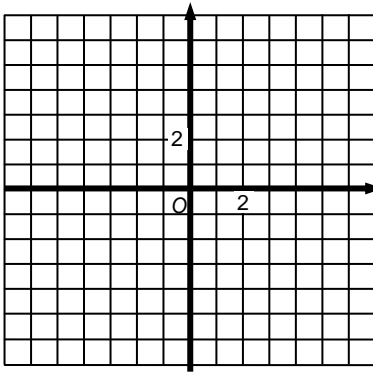3.   4.

x	1	2	3	4	5
y	3	2	1	0	-1

x	-2	0	2	4	6
y	9	5	1	-3	-7

Graph each equation.

5.   -3x + y = – 4   6.   x – 4y = 0   7. $y = \frac{4}{5}x – 3$
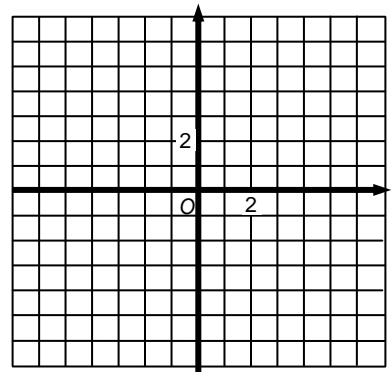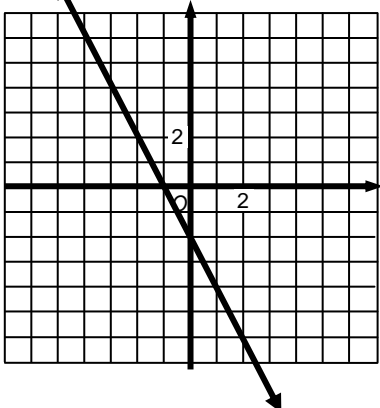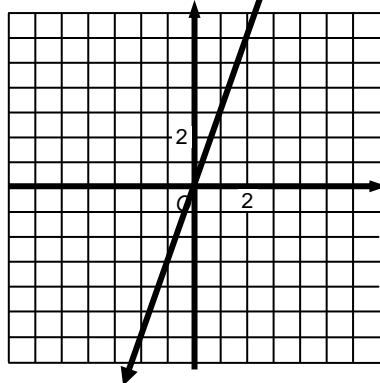

Write the equation of each line.

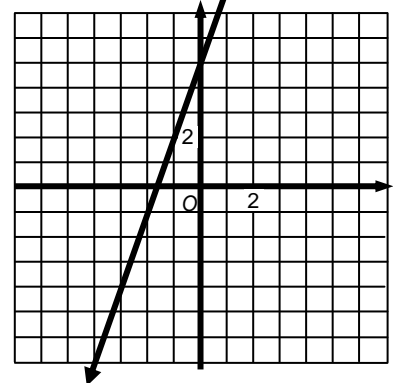8.   9.   10.

Equation _____   Equation _____   Equation _____

On the Talk for Less long-distance phone plan, the relationship between the number of minutes a call lasts, and the cost of the call, is linear. A 5-minute call costs $1.25, and a 15-minute call costs $2.25.

11.   Write an equation for the relationship between the cost and the length of a call.

12.   Find the slope and the y-intercept of the equation, and explain what this information means in the context of the problem.

13.   How much will a 25-minute call cost?

14.   How long can a customer talk for $5.00?

Describe a situation involving a linear relationship whose graph has the following slope.

15.   Positive Slope

16.   Negative Slope

17.   A Slope of 0