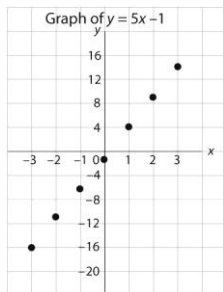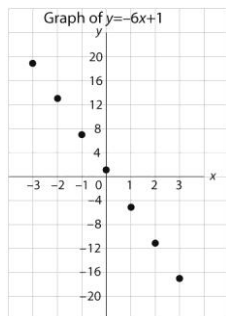**Extra Practice 7**

Lesson 6.7: Graphing Linear Relations

1. Each graph below is a graph of a linear relation.

   Describe the relationship between the variables in each graph.
   a) $y = -6x + 1$ **b)** $y = 5x - 1$

2. Graph each relation for integer values of x from -3 to 3.
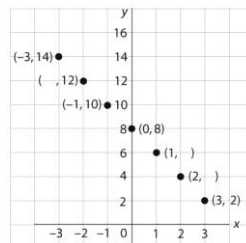   **a)** $y = x$ **b)** $y = -x$ **c)** $y = -2x + 5$ **d)** $y = 2x + 5$

3. Here is a graph of the linear relation $y = -2x + 8$.
   Each point on the graph is labelled with an ordered pair.
   Some numbers in the ordered pairs are missing.
   Find the missing numbers.
   Explain how you did this.

4. The cost of admission to a fair is $10, plus $3 per ride. An equation for this relation is
   $C = 10 + 3r$, where r represents the number of rides a person goes on, and C represents the total
   cost of admission and rides.
   a) Make a table of values for the relation.
   b) Graph the relation.
   c) Describe the relationship between the variables in the graph.
   d) Find the ordered pair on the graph that shows the number of rides Josh went on when his cost
    of admission and rides was $22.