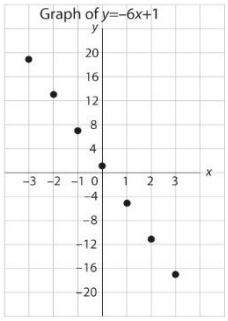
Master 6.26

Extra Practice 7

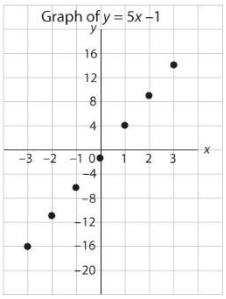
Lesson 6.7: Graphing Linear Relations

1. Each graph below is a graph of a linear relation. Describe the relationship between the variables in each graph. (Hint: Do a table of values for each)

a) $y = -6x + 1$



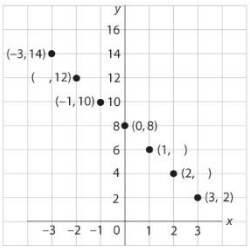
b) $y = 5x - 1$



2. Graph each relation on your own graph paper for integer values of x from –3 to 3. (Do a table of values for each and show work for the first 3 entries)

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 and set up a table of values.
(Hint: Read the coordinates off the graph)



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 using r = 0, 1 , 2 , 3, 4, 5

b) Graph the relation. Can you connect the dots?

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.