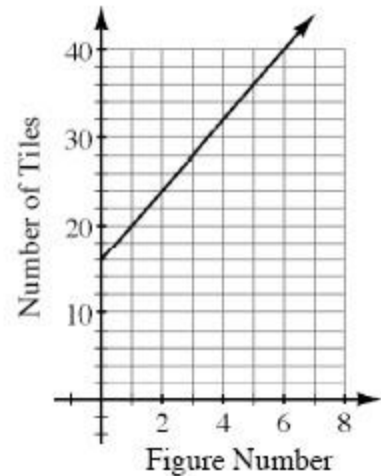




2-48. The graph below represents the number of tiles in a tile pattern.

- a. Based on the information in the graph, how many tiles are being added each time (that is, what is the slope of the line)? Pay close attention to the scale of the axes.



- b. How many tiles are in Figure 0?
- c. Write the equation for the tile pattern.
- d. How would the line change if the pattern grew by 12 tiles each time instead?

2-49. On graph paper, graph the line that goes through the points $(-6, 3)$ and $(-3, -1)$.

- a. What is the slope of the line?
- b. What is the y -intercept?
- c. Can you find the equation of the line?

2-50. Solve each of the following equations.

1. a. $2x + 8 = 3x - 4$

b. $48 + 8x + 23 = 7$

2-51. Write an equation for the line containing the points shown in the table below. [2-51 HW eTool \(Desmos\)](#).

o

x	-2	-1	0	1
y	5	1	-3	-7

2-52. Which graphs below have a domain of all numbers? Which have a range of all numbers? Which are functions?

