

Graphing and Analyzing a Linear Relation

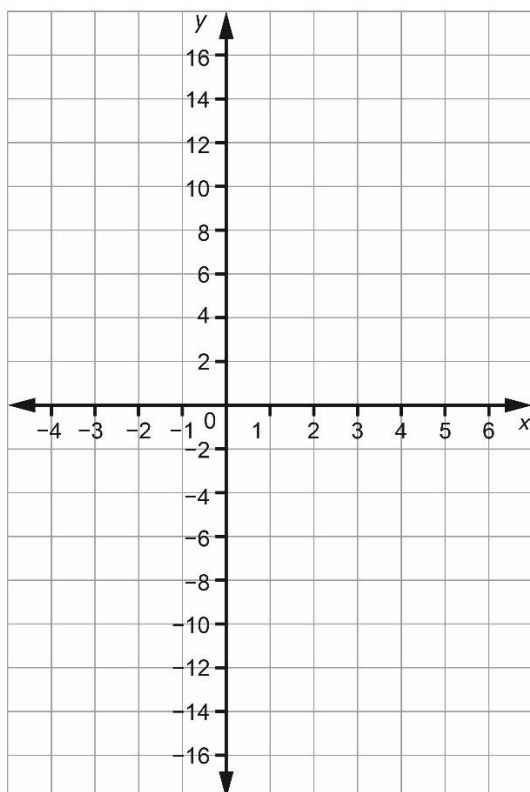
Start with the relation $y = 3x - 4$, where x is an integer.

1. Complete the table of values.

x	-3	-2	-1	0	1	2
y						

2. Write the information from the table as a series of ordered pairs.

3. Graph the ordered pairs.



Graphing and Analyzing a Linear Relation (cont'd)

4. Is this an increasing or decreasing graph?
Explain how you know.

5. What is the value of y when x is 6?
How did you determine your answer?

6. Does the point $(4, 9)$ lie on the graph?
How do you know?