Name_____ Date_____

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.
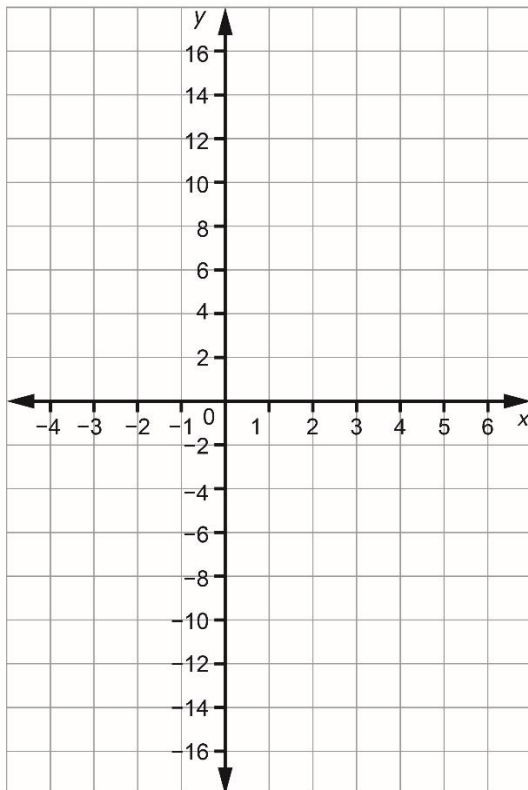
3. Graph the ordered pairs.

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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?