Name





Number of Triangles	Number of Toothpicks
1	3
2	5
3	7
4	9
5	11
?	?

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- **11.** If the design is continued to complete the next row of the table, what ordered pair is given?
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6-2B page 2 12. How do you know that the points in the table lie on the same line? 13. Find the rate of change between any two points on the line. 14. Describe the real-world meaning of the rate of change. **PROPERTIES Objective D 15.** A line with a slope of zero passes through the points (v, k) and (w, z). How is *k* related to *z*? In 16-18, use the figure below. 16. Which lines(s) could have the indicated slope? a. positive slope b. negative slope c. slope = 017. Which line has the steepest negative slope? **18.** Which line could have the equation y = -x? **19.** Do the points (8, -9), (-2, -39), and (6, -15) lie on the same line? How can you tell? **20.** The points (2, -3) and (*x*, 8) are on a line with slope $\frac{11}{3}$.

Find the value of *x*.