CHAPTER At-Home Practice Graphs

Determine whether each set of data has a constant or variable rate of change.

1.	X	0	3	6	9	12	15	18
	У	5	10	15	20	25	30	35
2.	X	1	5	9	13	17	21	25
	У	2	5	7	11	13	13	18

Find the slope of the line that passes through the given points.

4. (0, 0) and (7, 2) **5.** (-1, 3) and (2, 2) **6.** (-2, -5) and (-7, 5) **3.** (1, 5) and (2, 3)

7. During a workout for track, Henry started by walking a lap. He then jogged two laps, and sprinted for half of a lap. After his sprint, Henry walked another lap before stopping. Sketch a graph to show Henry's speed compared to time.



Time

Find each equation of direct variation, given that y varies directly with x.

8.	<i>y</i> is 6 when <i>x</i> is 3	9. <i>y</i> is 5 when <i>x</i> is 1
10.	<i>y</i> is 20 when <i>x</i> is 15	11. <i>y</i> is 1 when <i>x</i> is -1
12.	<i>y</i> is −56 when <i>x</i> is 16	13. <i>y</i> is 0 when <i>x</i> is 3
	0 and second sec	Aswers: 1. constant 2. variable 3. $-24.\frac{2}{7}5\frac{1}{3}62$ 7. Poss $= \sqrt{3}.51.5.7 = -2.5.7.5 = -2.5.7.5.7 = -2.5.7.5.7 = -2.5.7.5.7 = -2.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5$

CHAPTER Family Fun 7

Find the Shape

Directions

- Graph the line that contains each point and has each slope below.
- Use a dark pen or marker to outline the area bordered by all of the lines.
- Determine the shape created by the lines.

Graph:

- (0, 2), slope 0
- (3, -2), slope 0
- (1, -3), slope 1
- (2, 2), slope -1
- (5, 2), slope 1
- (-4, 1), slope -1

