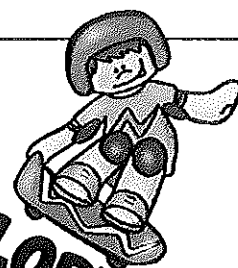


Name _____

Date _____

EXTREME SPORTS

FINDING SLOPE



$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

Directions: Find the slope of the line given a pair of points, a table, a graph or a verbal situation. Write your answer in the box below the problem number.

1	(20, -3), (19, -20)			
	A. 17	B. $\frac{1}{17}$	C. -17	D. $-\frac{1}{17}$

2	(-5, 11), (0, 7)			
	A. $-\frac{5}{4}$	B. $\frac{5}{4}$	C. $-\frac{4}{5}$	D. $\frac{4}{5}$

3	(-20, 9), (14, 9)			
	A. undefined	B. 3	C. -3	D. 0

4	(12, -1), (-2, -3)			
	A. -7	B. $\frac{1}{7}$	C. $-\frac{1}{7}$	D. 7

5	(-3, 15), (9, 17)			
	A. 6	B. $\frac{1}{6}$	C. $-\frac{1}{6}$	D. -6

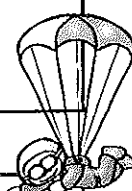
6	(7, -11), (16, 7)			
	A. $\frac{1}{2}$	B. $-\frac{1}{2}$	C. -2	D. 2

7	(-1, -16), (-1, 11)			
	A. undefined	B. 1	C. -1	D. 0

8	(-2, -7), (3, -10)			
	A. -3	B. $-\frac{3}{5}$	C. $\frac{3}{5}$	D. 5

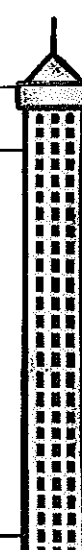
9	<table border="1"> <tr><td>x</td><td>-8</td><td>0</td><td>4</td><td>8</td></tr> <tr><td>y</td><td>-7</td><td>-1</td><td>2</td><td>5</td></tr> </table>					x	-8	0	4	8	y	-7	-1	2	5
	x	-8	0	4	8										
y	-7	-1	2	5											

10	<table border="1"> <tr><td>x</td><td>-1</td><td>0</td><td>1</td><td>2</td></tr> <tr><td>y</td><td>19</td><td>17</td><td>15</td><td>13</td></tr> </table>					x	-1	0	1	2	y	19	17	15	13
	x	-1	0	1	2										
y	19	17	15	13											

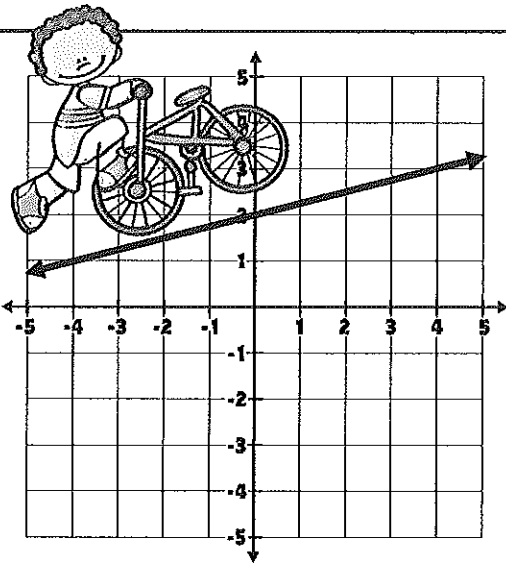


11	<table border="1"> <tr><td>x</td><td>y</td></tr> <tr><td>0</td><td>6</td></tr> <tr><td>5</td><td>5</td></tr> <tr><td>10</td><td>4</td></tr> <tr><td>15</td><td>3</td></tr> </table>		x	y	0	6	5	5	10	4	15	3
	x	y										
	0	6										
	5	5										
	10	4										
	15	3										

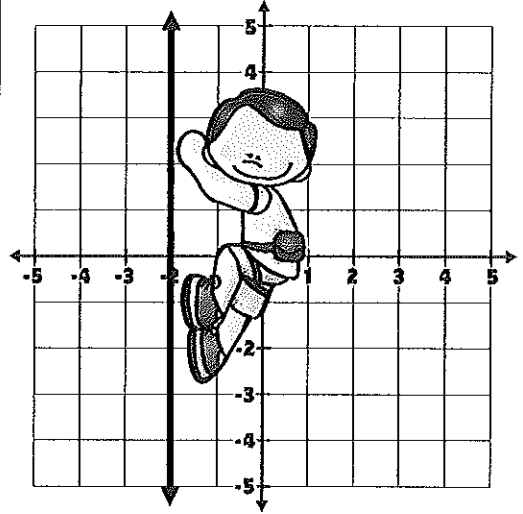
12	<table border="1"> <tr><td>x</td><td>y</td></tr> <tr><td>-6</td><td>-27</td></tr> <tr><td>-5</td><td>-23</td></tr> <tr><td>-1</td><td>-7</td></tr> <tr><td>0</td><td>-3</td></tr> </table>		x	y	-6	-27	-5	-23	-1	-7	0	-3
	x	y										
	-6	-27										
	-5	-23										
	-1	-7										
	0	-3										



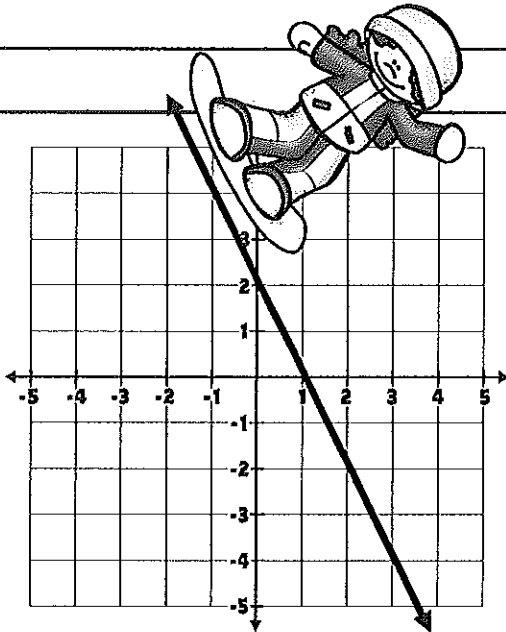
13



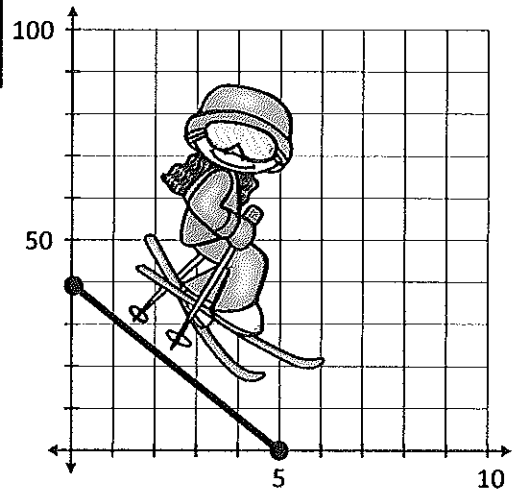
14



15



16



17

The water level in Noah's water tank is 72 inches high. Noah begins to drain a water tank by opening a valve. The water drains at the speed of 5 inches per minute.

18

A pet store is selling puppies for \$50 each plus a \$14.99 transfer fee.

19

A small bookstore is selling copies of the book *To Kill a Mockingbird* for \$6.99 each plus \$0.99 for shipping and handling.

20

To rent movies from the store, a person has to pay an annual membership fee of \$20 plus \$2.50 for each movie rented.