Name: _____

Finding Slope Using a Formula

Formula Reference

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

Where m is the slope of the line that passes through (x_1, y_1) and (x_2, y_2).

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

1. (-11, 20), and (-1, -2)
2. (0, 0), and (20, 20)
3. (5, 3), and (-5, -18)
4. (-1, 7), and (19, 1)
5. (9, 8), and (-6, -6)
6. (4, -13), and (14, 5)
7. (2, -5), and (9, 15)
8. (15, 5), and (-7, 4)
9. (1, 9), and (20, -1)
10. (-18, -15), and (-8, 7)
11. (-5, 3), and (15, -10)
12. (9, 12), and (-5, 2)
13. (-6, 5), and (-7, 1)
14. (-3, 8), and (17, 6)
15. (0, -4), and (-10, -10)
16. (3, 2), and (4, 8)

ANSWER KEY

1. (-11, 20), and (-1, -2)
   -11/5

2. (0, 0), and (20, 20)
   1

3. (5, 3), and (-5, -18)
   21/10

4. (-1, 7), and (19, 1)
   -3/10

5. (9, 8), and (-6, -6)
   14/15

6. (4, -13), and (14, 5)
   9/5

7. (2, -5), and (9, 15)
   20/7

8. (15, 5), and (-7, 4)
   1/22

9. (1, 9), and (20, -1)
   -10/19

10. (-18, -15), and (-8, 7)
    11/5

11. (-5, 3), and (15, -10)
    -13/20

12. (9, 12), and (-5, 2)
    5/7

13. (-6, 5), and (-7, 1)
    4

14. (-3, 8), and (17, 6)
    -1/10

15. (0, -4), and (-10, -10)
    3/5

16. (3, 2), and (4, 8)
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