

Midpoint and Slope

Date _____ Period _____

Find the midpoint of the line segment with the given endpoints. Answers can be written as decimals or fractions when needed.

1) $(5, -3), (8, 5)$

2) $(-4, 5), (-8, 1)$

3) $(4, 0), (-3, 10)$

4) $(-3, -7), (10, 10)$

5) $(4, -4), (1, 2)$

6) $(-4, 1), (9, 8)$

Find the other endpoint of the line segment with the given endpoint and midpoint. HINT: The midpoint is the middle number between the endpoint and what other number?

7) Endpoint: $(-9, 2)$, midpoint: $(-10, -9)$

8) Endpoint: $(7, 10)$, midpoint: $(2, 6)$

9) Endpoint: $(9, -4)$, midpoint: $(5, 8)$

10) Endpoint: $(-10, 9)$, midpoint: $(5, -1)$

Find the slope of the line through each pair of points. The answer should ALWAYS be left as a fraction or whole number.

11) $(5, 20), (-12, 19)$

12) $(17, -17), (11, 13)$

13) $(-2, 4), (5, 1)$

14) $(3, 12), (9, -8)$

15) $(6, 3), (-10, -19)$

16) $(-13, -1), (11, -13)$