

4-1 Slope, Distance, and Midpoint

Name: _____

Time Start: _____ Finish: _____ Total Time = _____

Find the slope, distance, and midpoint between the two given points.

1. (4, 10) and (6, 8)

Slope = _____ Distance = _____ Midpoint = _____

2. (-3, 4) and (-5, 1)

Slope = _____ Distance = _____ Midpoint = _____

3. (1, -5) and (-5, 1)

Slope = _____ Distance = _____ Midpoint = _____

4. (1, 8) and (3, 4)

Slope = _____ Distance = _____ Midpoint = _____

5. (-2, 5) and (-6, 9)

Slope = _____ Distance = _____ Midpoint = _____

6. (0, 2) and (8, 6)

Slope = _____ Distance = _____ Midpoint = _____

7. (-1, -2) and (-7, 2)

Slope = _____ Distance = _____ Midpoint = _____

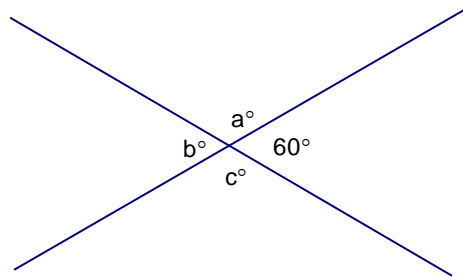
8. (2, n) and (6, n + 6)

Slope = _____ Distance = _____ Midpoint = _____

SAT Questions

- _____ 9. Let the symbol $x^{\$}$ represent the number of different pairs of positive integers whose product is x . For example, $16^{\$} = 3$ because there are 3 different pairs of positive integers whose product is 16: 16×1 , 8×2 , and 4×4 .

What does $36^{\$}$ equal?



- _____ 10. For the two intersecting lines above, which of the following must be true?
- I. $a > c$
 - II. $a = 2b$
 - III. $a + 60 = b + c$
- A. I only
 - B. II only
 - C. I and II only
 - D. II and III only
 - E. I, II, and III