Math 2                                    Name_____ ID: 1
# Review Slope, Distance, and Midpoint

**Find the slope of the line through each pair of points.**
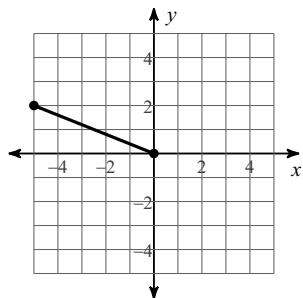
1) $(-5, -19), (-16, -15)$
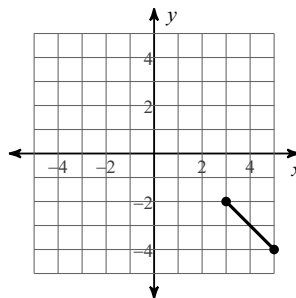
2) $(19, 12), (-8, 6)$

3) $(4, 5), (1, 10)$

4) $(14, 15), (-13, -3)$

**Find the distance between each pair of points.**
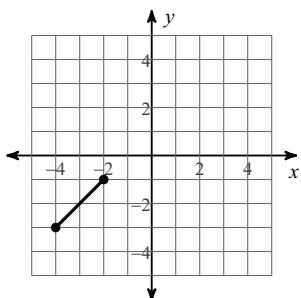
5)



6)



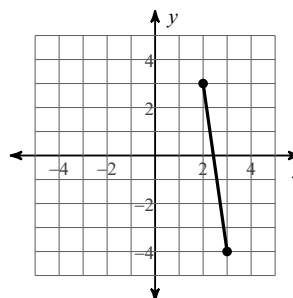7) $(-5, 5), (-6, 7)$

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

9) $(-1, 3)$, $(5, 6)$

10) $(-4, -7)$, $(-3, -5)$

**Find the midpoint of each line segment.**

11)



12)



**Find the midpoint of the line segment with the given endpoints.**

13) $(-7, 10)$, $(-1, 9)$

14) $(-10, 5)$, $(-4, 7)$

15) $(-7, 7)$, $(6, 6)$

16) $(4, -3)$, $(-4, -7)$

# Review Slope, Distance, and Midpoint

**Find the slope of the line through each pair of points.**

1) $(-5, -19), (-16, -15)$

$$-\frac{4}{11}$$

2) $(19, 12), (-8, 6)$
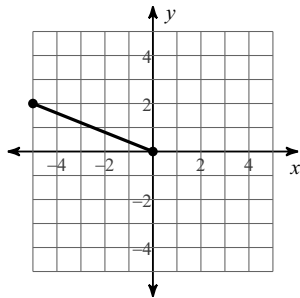
$$\frac{2}{9}$$

3) $(4, 5), (1, 10)$

$$-\frac{5}{3}$$

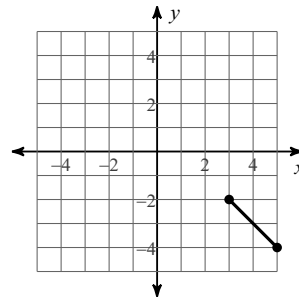4) $(14, 15), (-13, -3)$

$$\frac{2}{3}$$

**Find the distance between each pair of points.**

5)



$$\sqrt{29}$$

6)



$$2\sqrt{2}$$

7) $(-5, 5), (-6, 7)$

$$\sqrt{5}$$

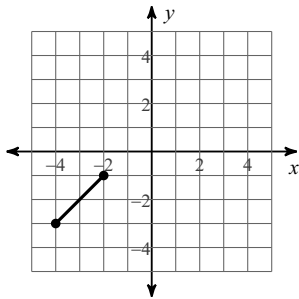8) $(2, 5), (-4, -5)$

$$2\sqrt{34}$$

9) $(-1, 3)$, $(5, 6)$
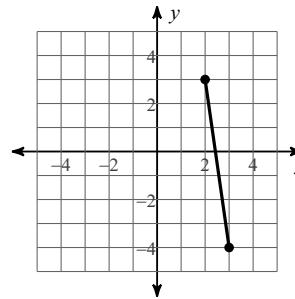
$3\sqrt{5}$

10) $(-4, -7)$, $(-3, -5)$

$\sqrt{5}$

**Find the midpoint of each line segment.**

11)



$(-3, -2)$

12)



$\left(2\frac{1}{2}, -\frac{1}{2}\right)$

**Find the midpoint of the line segment with the given endpoints.**

13) $(-7, 10)$, $(-1, 9)$

$\left(-4, 9\frac{1}{2}\right)$

14) $(-10, 5)$, $(-4, 7)$

$(-7, 6)$

15) $(-7, 7)$, $(6, 6)$

$\left(-\frac{1}{2}, 6\frac{1}{2}\right)$

16) $(4, -3)$, $(-4, -7)$

$(0, -5)$