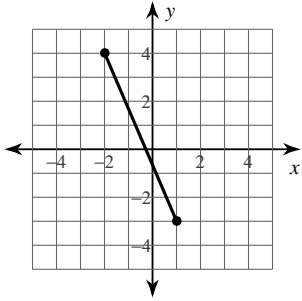


Assignment

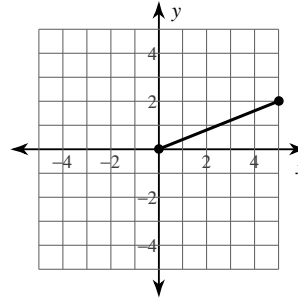
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Find the distance between each pair of points.

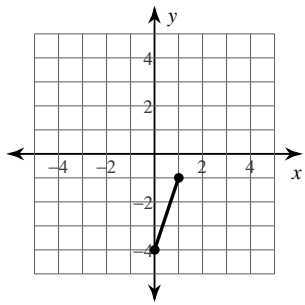
1)



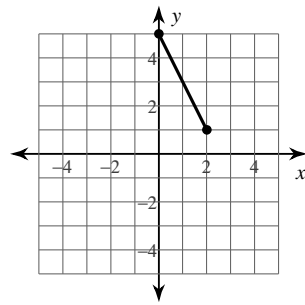
2)



3)



4)



5) $(2, -1), (-1, -7)$

6) $(-5, 4), (-2, 0)$

7) $(-1, -5), (-7, -6)$

8) $(-2, 8), (3, 0)$

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

10) $(6, 4), (-4, 2)$

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

11) $(0, 0), (-4, 4)$

12) $(-4, 3), (2, -1)$

13) $(6, 0), (5, 2)$

14) $(6, 0), (0, -1)$

15) $(3, -3), (-2, -3)$

16) $(3, 3), (6, 6)$

17) $(0, 5), (3, 1)$

18) $(-4, -3), (-5, 2)$

$$19) \left(-2, -\frac{1}{2}\right), \left(\frac{2}{5}, \frac{1}{3}\right)$$

$$20) \left(\frac{5}{3}, \frac{1}{2}\right), \left(\frac{6}{5}, \frac{2}{5}\right)$$

$$21) \left(-\frac{7}{4}, 4\right), \left(-2, -3\frac{5}{6}\right)$$

$$22) \left(-\frac{7}{4}, 3\frac{1}{2}\right), \left(-\frac{1}{3}, -1\frac{2}{3}\right)$$

$$23) \left(\frac{6}{5}, -1\frac{1}{6}\right), \left(-2\frac{2}{5}, 1\frac{3}{5}\right)$$

$$24) \left(2, \frac{1}{4}\right), \left(-3\frac{1}{6}, -\frac{4}{5}\right)$$

$$25) \left(-\frac{2}{5}, -2\right), \left(3\frac{4}{5}, -1\frac{5}{6}\right)$$

$$26) \left(\frac{3}{2}, -2\right), \left(\frac{1}{2}, -2\frac{1}{5}\right)$$

Answers to Assignment (ID: 1)

1) 7.616

5) $3\sqrt{5}$

9) $\sqrt{85}$

13) (5.5, 1)

17) (1.5, 3)

21) (-1.875, 0.083)

25) (1.7, -1.917)

2) 5.385

6) 5

10) $2\sqrt{26}$

14) (3, -0.5)

18) (-4.5, -0.5)

22) (-1.042, 0.917)

26) (1, -2.1)

3) 3.162

7) $\sqrt{37}$

11) (-2, 2)

15) (0.5, -3)

19) (-0.8, -0.083)

23) (-0.6, 0.217)

4) 4.472

8) $\sqrt{89}$

12) (-1, 1)

16) (4.5, 4.5)

20) (1.433, 0.45)

24) (-0.583, -0.275)