

The Distance Formula

Find the distance between each pair of points.

1) $(7, 3), (-1, -4)$

2) $(3, -5), (-3, 0)$

3) $(6, -7), (3, -5)$

4) $(5, 1), (5, -6)$

5) $(5, -8), (-8, 6)$

6) $(4, 6), (-4, -3)$

7) $(-7, 0), (-2, -4)$

8) $(-4, -3), (1, 4)$

9) $(-2, 2), (-6, -8)$

10) $(6, 2), (0, -6)$

11) $(-3, -1), (-4, 0)$

12) $(-5, 4), (3, 1)$

13) $(-2, 3), (-1, 7)$

14) $(8, -5), (-1, -3)$

15) $(20, -10), (8, 6)$

16) $(-3, 17), (15, -7)$

17) $(11, 11), (-13, 8)$

18) $(10, 19), (-13, 9)$

19) $(16, -6), (1, 2)$

20) $(7, -10), (-10, -4)$

21) $(-6.8, 0.7), (-2.1, -6.2)$

22) $(-0.6, -0.455), (1.77, -5.3)$

23) $(-7.5, 1.1), (-4.1, -1.9)$

24) $(-7.487, 1.8), (-3.1, -1.2)$

25) $(\sqrt{7}, 5\sqrt{3}), (-6\sqrt{7}, -\sqrt{3})$

26) $(\sqrt{6}, -6\sqrt{5}), (2\sqrt{6}, \sqrt{5})$

27) $(-\sqrt{2}, -\sqrt{2}), (\sqrt{2}, 6\sqrt{2})$

28) $(\sqrt{2}, -7\sqrt{3}), (4\sqrt{2}, 8\sqrt{3})$

The Distance Formula

Find the distance between each pair of points.

1) $(7, 3), (-1, -4)$

$$\sqrt{113}$$

2) $(3, -5), (-3, 0)$

$$\sqrt{61}$$

3) $(6, -7), (3, -5)$

$$\sqrt{13}$$

4) $(5, 1), (5, -6)$

$$7$$

5) $(5, -8), (-8, 6)$

$$\sqrt{365}$$

6) $(4, 6), (-4, -3)$

$$\sqrt{145}$$

7) $(-7, 0), (-2, -4)$

$$\sqrt{41}$$

8) $(-4, -3), (1, 4)$

$$\sqrt{74}$$

9) $(-2, 2), (-6, -8)$

$$2\sqrt{29}$$

10) $(6, 2), (0, -6)$

$$10$$

11) $(-3, -1), (-4, 0)$

$$\sqrt{2}$$

12) $(-5, 4), (3, 1)$

$$\sqrt{73}$$

13) $(-2, 3), (-1, 7)$

$$\sqrt{17}$$

14) $(8, -5), (-1, -3)$

$$\sqrt{85}$$

15) $(20, -10), (8, 6)$

20

16) $(-3, 17), (15, -7)$

30

17) $(11, 11), (-13, 8)$

$3\sqrt{65}$

18) $(10, 19), (-13, 9)$

$\sqrt{629}$

19) $(16, -6), (1, 2)$

17

20) $(7, -10), (-10, -4)$

$5\sqrt{13}$

21) $(-6.8, 0.7), (-2.1, -6.2)$

8.34865

22) $(-0.6, -0.455), (1.77, -5.3)$

5.3936

23) $(-7.5, 1.1), (-4.1, -1.9)$

4.53431

24) $(-7.487, 1.8), (-3.1, -1.2)$

5.31467

25) $(\sqrt{7}, 5\sqrt{3}), (-6\sqrt{7}, -\sqrt{3})$

$\sqrt{451}$

26) $(\sqrt{6}, -6\sqrt{5}), (2\sqrt{6}, \sqrt{5})$

$\sqrt{251}$

27) $(-\sqrt{2}, -\sqrt{2}), (\sqrt{2}, 6\sqrt{2})$

$\sqrt{106}$

28) $(\sqrt{2}, -7\sqrt{3}), (4\sqrt{2}, 8\sqrt{3})$

$3\sqrt{77}$