

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

8.3486525859

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

5.39360037452

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

4.5343136195

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

5.31467487246

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

 $3\sqrt{77}$