 Name_____

The Distance Formula

Date_____ Period____

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

Name_____

The Distance Formula

Date_____ Period____

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

$3\sqrt{77}$