

## *Finding Distance of Two Points*

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

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

11)  $(2, 0), (12, 24)$

2)  $(-2, -1), (2, 2)$

12)  $(8, 4), (3, -8)$

3)  $(-1, 0), (5, 8)$

13)  $(4, 2), (-5, -10)$

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

14)  $(-5, 6), (3, 21)$

5)  $(3, -2), (-6, -14)$

15)  $(0, 8), (-4, 5)$

6)  $(-6, 0), (-2, 3)$

16)  $(-8, -5), (4, 0)$

7)  $(3, 2), (11, 17)$

17)  $(3, 5), (-5, -10)$

8)  $(-6, -10), (6, -1)$

18)  $(-2, 3), (22, 13)$

9)  $(5, 9), (-11, -3)$

19)  $(7, 2), (-8, -18)$

10)  $(9, -3), (3, -11)$

20)  $(-5, 4), (7, 9)$

 **Solve each problem.**

21) Triangle  $ABC$  is a right triangle on the coordinate system and its vertices are  $(-2, 5)$ ,  $(-2, 1)$ , and  $(1, 1)$ . What is the area of triangle  $ABC$ ? \_\_\_\_\_

22) Three vertices of a triangle on a coordinate system are  $(1, 1)$ ,  $(1, 4)$ , and  $(5, 4)$ . What is the perimeter of the triangle? \_\_\_\_\_

23) Four vertices of a rectangle on a coordinate system are  $(2, 5)$ ,  $(2, 2)$ ,  $(6, 5)$ , and  $(6, 2)$ . What is its perimeter? \_\_\_\_\_



## Answers

### *Finding Distance of Two Points*

1) 5

2) 5

3) 10

4) 13

5) 15

6) 5

7) 17

8) 15

9) 20

10) 10

11) 26

12) 13

13) 15

14) 17

15) 5

16) 13

17) 17

18) 26

19) 25

20) 13

21) 6 *square units*

22) 12 *units*

23) 14 *units*