

Math Worksheets

**Finding Distance of Two Points**

 Find the distance between each pair of points.

1)  $(6, 3), (-3, -9)$

11)  $(11, 13), (5, 5)$

2)  $(5, 2), (-10, -6)$

12)  $(1, 4), (-23, -3)$

3)  $(8, 5), (8, 3)$

13)  $(9, 8), (5, -4)$

4)  $(-8, -2), (2, 22)$

14)  $(-11, -4), (5, 8)$

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

15)  $(-2, -6), (-2, -12)$

6)  $(12, 0), (-9, -20)$

16)  $(-1, -4), (23, 3)$

7)  $(3, 20), (3, -5)$

17)  $(19, 3), (7, -6)$

8)  $(10, 17), (5, 5)$

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

9)  $(7, -2), (-4, -2)$

19)  $(2, 6), (2, -12)$

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

20)  $(-4, -2), (8, -2)$

 Find the answer for 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  $(3, -6)$ ,  $(-5, -12)$ , and  $(3, -18)$ . What is the perimeter of the triangle? \_\_\_\_\_

23) Four vertices of a rectangle on a coordinate system are  $(-2, 2)$ ,  $(-2, 6)$ ,  $(4, 2)$ , and  $(4, 6)$ . What is its perimeter? \_\_\_\_\_

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## Answers of Worksheets

### Finding Distance of Two Points

1) 15

2) 17

3) 2

4) 26

5) 9

6) 29

7) 25

8) 13

9) 11

10) 10

11) 10

12) 25

13)  $4\sqrt{10}$

14) 20

15) 6

16) 25

17) 15

18) 10

19) 18

20) 12

21) 6 *square units*

22) 32 *units*

23) 20 *units*

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