Finding Distance of Two Points

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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? _____

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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*