



Finding distance of two points word problems

Name: _____

Date: _____

**Solve.**

1) Triangle ABC is a right triangle on the coordinate system and its vertices are $(-3, -1)$, $(-3, +4)$ and $(3, -1)$. What is the area of triangle ABC?

2) Three vertices of a triangle on coordinate system are $(1,1)$, $(1,3)$ and $(3,3)$. What is the perimeter of the triangle?

3) Three vertices of a triangle on coordinate system are $(-1, -3)$, $(2,1)$ and $(5, -3)$. What is the perimeter of the triangle?

4) Four vertices of a rectangle on coordinate system are $(0,1)$, $(0,4)$, $(2,4)$ and $(2,1)$. What is its perimeter?



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Answers



Solve.

1) Triangle ABC is a right triangle on the coordinate system and its vertices are $(-3, -1)$, $(-3, +4)$ and $(3, -1)$. What is the area of triangle ABC?

$$S = 15$$

2) Three vertices of a triangle on coordinate system are $(1,1)$, $(1,3)$ and $(3,3)$. What is the perimeter of the triangle?

$$P = 4 + \sqrt{8}$$

3) Three vertices of a triangle on coordinate system are $(-1, -3)$, $(2,1)$ and $(5, -3)$. What is the perimeter of the triangle?

$$P = 16$$

4) Four vertices of a rectangle on coordinate system are $(0,1)$, $(0,4)$, $(2,4)$ and $(2,1)$. What is its perimeter?

$$P = 10$$



QUIZ ?

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