Name:

Date:

# Finding distance of two points word problems

**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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# Finding distance of two points word problems

## 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?

$P = 10$