

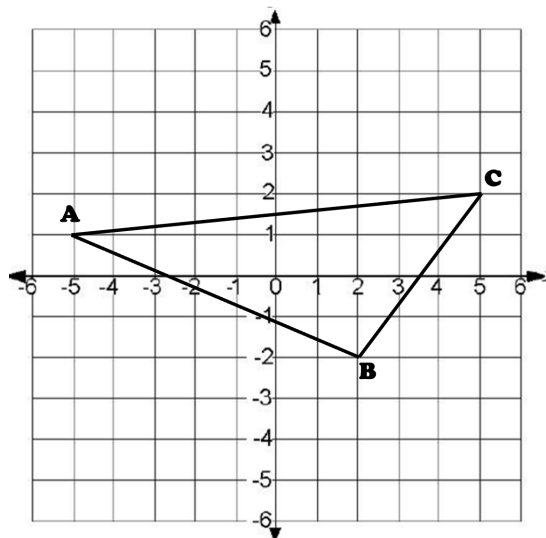
## Perimeters of Triangles Graphed in a Coordinate Plane

Show all your work/thinking when answering the following questions.

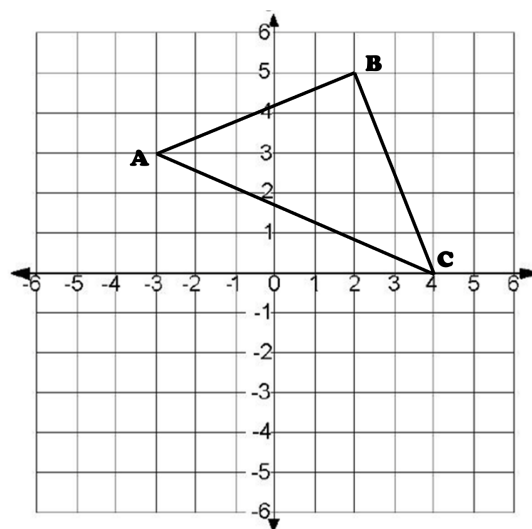
Using what you know about the Pythagorean Theorem:

1. find the **perimeter** of each of the triangles ( $\triangle ABC$ )
2. determine if the triangle is a **right triangle** or not
3. if  $\angle B \neq 90^\circ$  is the angle **obtuse** or **acute**?

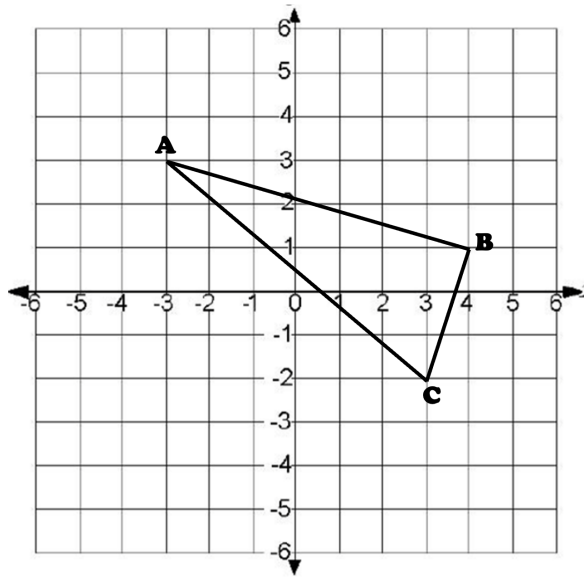
1.



2.



3.



4. The coordinates of each of the vertices of a new triangle are:

A(-4, 4)    B(2, 2)    C(1, -3)