

Distance Between Two Points

The _____ states a relationship among the three sides of a _____ triangle.

The _____ (c) is the side opposite the right angle and will always be the _____ side of the triangle. The other two sides (a and b) are _____.

Diagram:	Formula:
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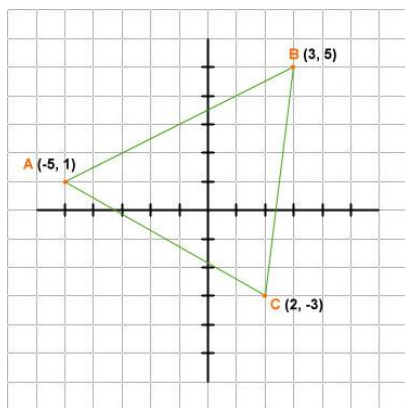
The _____ is a direct application of the _____.

The _____ between two points is the _____ of the line segment connecting the two points.

Diagram:	Formula:
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Example:

Use the distance formula to find the length of each side of the triangle.



AB =

BC =

AC =

$\triangle ABC$ is a _____ triangle!

In this unit, we will be classifying geometric _____.

The distance formula is used to determine if two sides (or diagonals) of a polygon are _____.

For example:

- opposite sides of a _____ are congruent
- all four sides of a _____ are congruent
- diagonals of a _____ are congruent