## 10-4 Distance Formula

> I can use the Distance Formula to find the distance between two points.

I can classify a triangle based on its side lengths.

Using the Pythagorean Theorem to find the distance between $C$ and $B$.

$$
a^{2}+b^{2}=c^{2}
$$

Find the distance between points B and C




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# Find the distance between the two points 

$$
\text { a. } \mathrm{A}(0,3) \text { and } \mathrm{B}(4,-4)
$$

Find the distance between the two points
b. $C(-6,-4)$ and $D(-1,5)$

Find the perimeter of the following triangle


