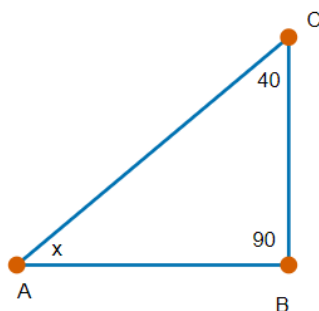


Warmup

1. $\angle B$ is a right angle.

$\angle C = 40^\circ$.

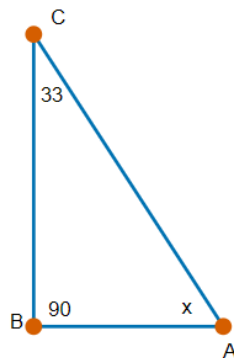
Find the measure of $\angle A$,
then classify the triangle by
its angles.



2. $\angle B$ is a right angle.

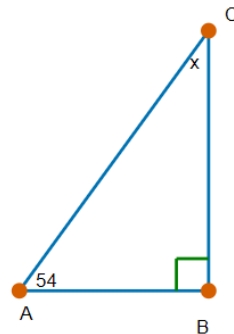
$\angle C = 33^\circ$

Find the measure of $\angle A$



3. $\angle ABC$ is a right angle.

Find the measure of $\angle ACB$
given that $\angle CAB = 54^\circ$



I. Parts of a Right Triangle

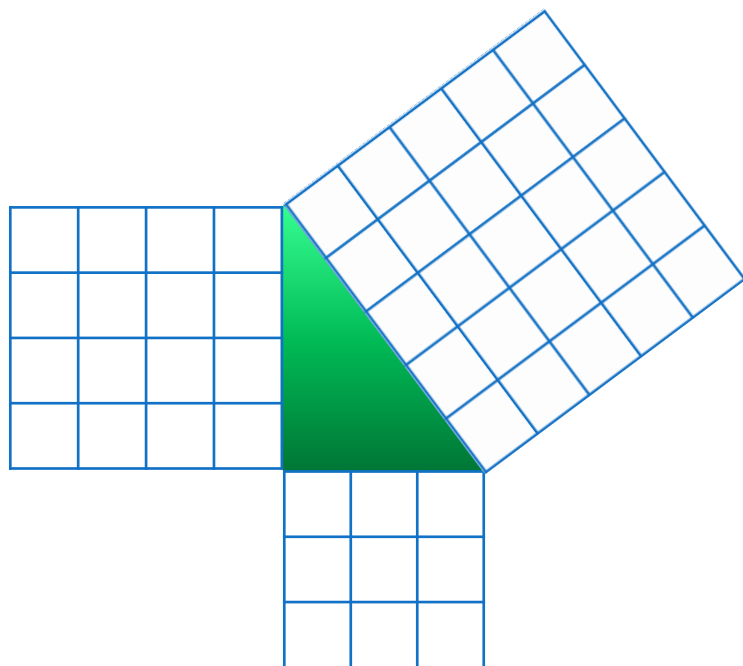
What do we know about the angles of a right triangle?



legs:

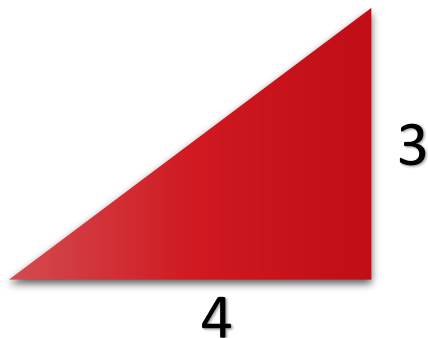
hypotenuse:

II. A Special Relationship

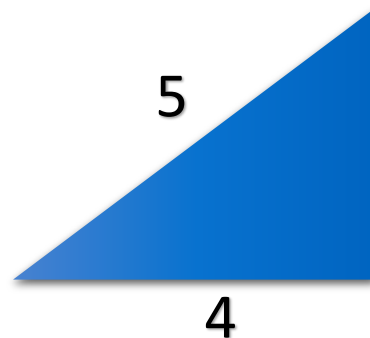


Pythagorean Theorem:

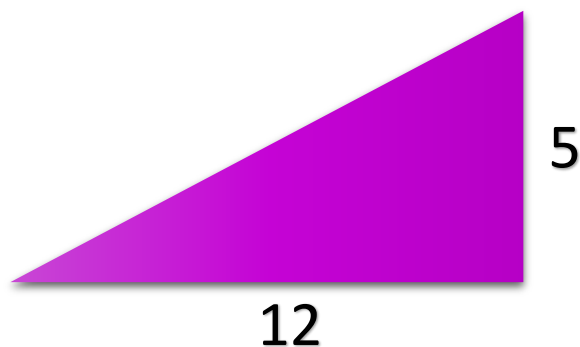
Determine the length of the missing side of the triangle



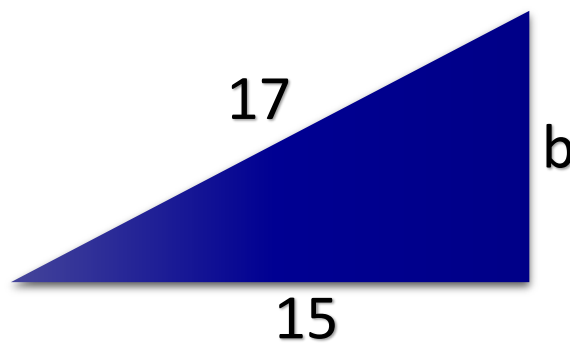
Determine the length of the missing side of the triangle



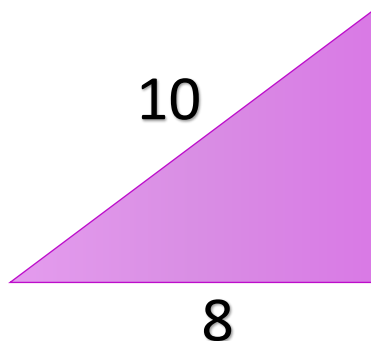
Determine the length of the missing side of the triangle



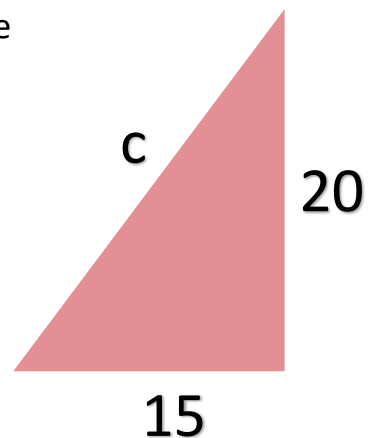
5. Determine the length of the missing side of the triangle



6. Determine the length of the missing side of the triangle



7. Determine the length of the missing side of the triangle

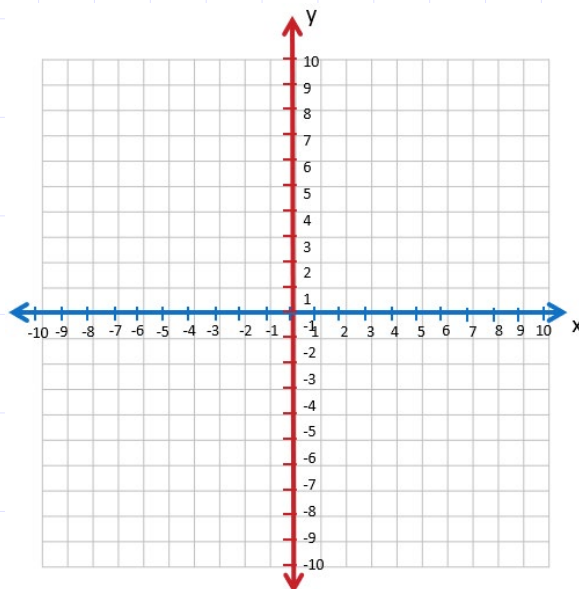


III. Practice

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