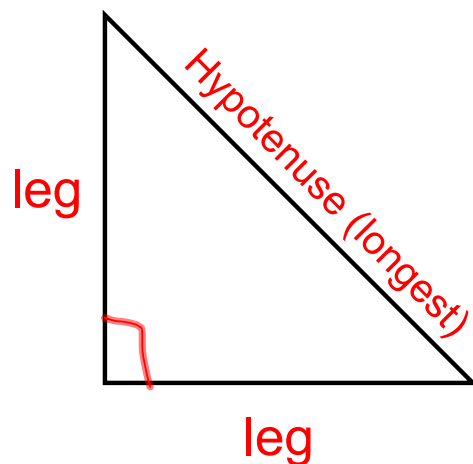


8 - 2

Pythagorean Theorem

Pythagorean Theorem



$$(\text{leg})^2 + (\text{leg})^2 = (\text{Hypotenuse})^2$$

$$(a)^2 + (b)^2 = (c)^2$$

Pythagorean Triple

Three whole numbers that satisfy the Pythagorean Theorem

Examples:

3, 4, 5

6, 8, 10

Determine if the following sets of numbers form a right triangle. IF so, are they also considered a Pythagorean Triple.

1) 5, 12, 13

2) $(\frac{1}{2})$, $(\frac{2}{3})$, $(\frac{5}{6})$

3) $(\sqrt{3})$, $(\sqrt{4})$, $(\sqrt{7})$