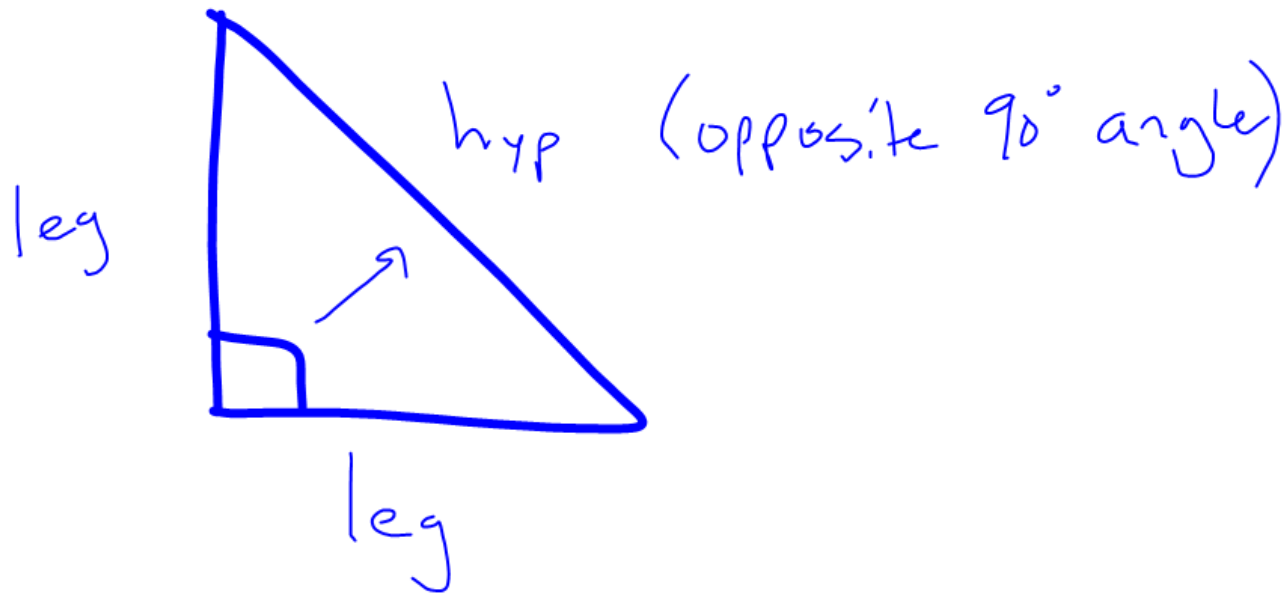


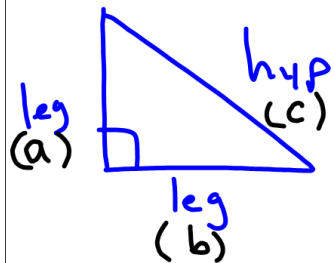
# Warm-up

label Sides as leg or hypotenuse



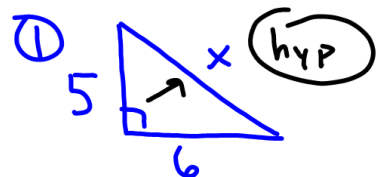
# 7.1 Pythagorean Theorem

\*Right Triangle



If have a right  $\Delta$ , then  $\text{leg}^2 + \text{leg}^2 = \text{hyp}^2$   
 $a^2 + b^2 = c^2$

ID missing side as leg or hyp. Then find.

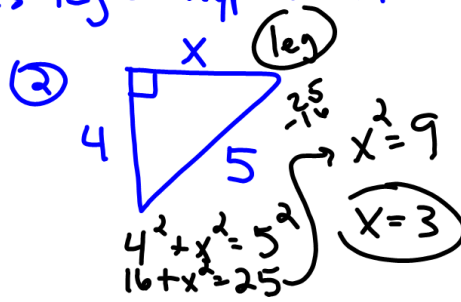
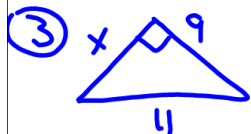


$$5^2 + 6^2 = x^2$$

$$25 + 36 = x^2$$

$$61 = x^2$$

$$7.8 = x$$



$$4^2 + x^2 = 5^2$$

$$16 + x^2 = 25$$

$$x^2 = 9$$

$$x = 3$$

Find h & Area

