

This unit is all about _____ triangles.

They are composed of two _____ and a _____.

If a right Δ has an angle of 45° , then the two _____ are congruent, and the Δ is _____ (classify by sides).

In every sketch, first look for the _____ Δ 's; then look for the hypotenuse & legs.

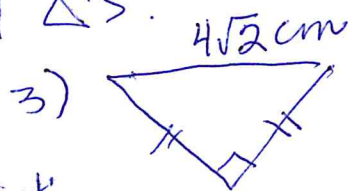
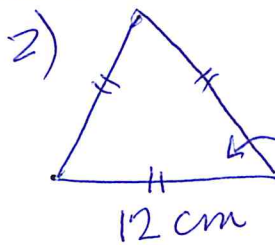
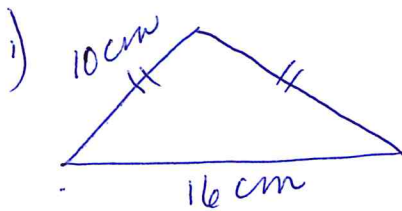
How much info do I have?

2 sides? then use _____ to find the third side.

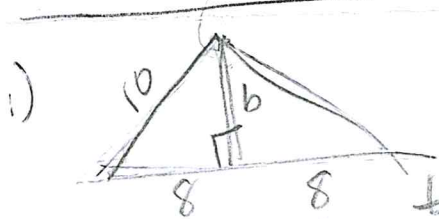
1 side? then look for a special right Δ , either _____ or _____.

If you see an isosceles non-right Δ , sketch an _____ in it.

Find the area of the Δ 's.



Hint: angle measure is?



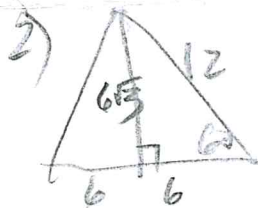
$$8^2 + b^2 = 10^2$$

$$b = 6$$

$$\frac{1}{2}bh$$

$$\frac{1}{2} \cdot 16 \cdot 6$$

$$48 \text{ cm}^2$$



$$\frac{1}{2} \cdot 12 \cdot 6\sqrt{3}$$

$$36\sqrt{3} \text{ cm}^2$$



$$\frac{4 \cdot 4}{2} = 8 \text{ cm}^2$$