This unit is all about _____ triangles.

They are composed of two ____ and a _____.

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

In every sketch, first look for the ____ △'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 △, either __-__-__ or __-__-__.

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

Find the area of the 3 △'s.

1) 10 cm, 16 cm

2) Hint: angle measure is?

3) $4\sqrt{2}$ cm

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1) 10, 6, 8, 8

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

$b=6$

$\frac{1}{2}bh$

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

48 cm^2

2) 12, $6\sqrt{3}$, 6, 6

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

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

3) $4\sqrt{2}$, 4, 4

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