$30^{\circ}-60^{\circ}-90^{\circ}$ Triangles:
7-3 Special Right Triangles
Day 2
*Special right triangle
*The length of the hypotenuse is twice the length of the shorter leg, and the length of the longer leg is $\sqrt{3}$ times the length of the shorter leg.

Example 1) Find $x$ and $y$


## Example 2)

Find c and b , if $\mathrm{a}=12$.


## Example 3:

Find $Q R$ and $P R$.


Example 4) Find $x$ and $y$
$x=\frac{20}{2}$
$x=10$
$y=10 \cdot \sqrt{3}$
$y=10 \sqrt{3}$


