## 7-3 Day 1



## $45^{\circ}-45^{\circ}-90^{\circ}$ Triangles

*An isosceles right triangle
*The length of the hypotenuse is $\sqrt{2}$ times the length of a leg
leg $\rightarrow$ hypotenuse
leg* $\sqrt{2}$
Example 1:
Find $x$ and $y$.
$x=3$
$y=3 \sqrt{2}$


Find the missing sides
2.)

3.)


Example 4:
Find $x$


Example 6:

Example 5:
Find p hypotenuse $\rightarrow$ /eg


Given the sides of the right triangle, is PQR a 45-45-90 triangle?



