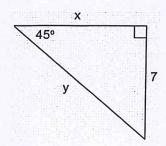
## Practice #1

## Special Right Triangles

Spring 2020

Find the EXACT value of each variable in each Special Right Triangle. Give answers in simplified radical form. Make sure all denominators are rationalized.

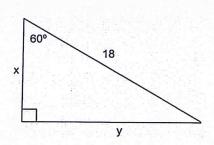
1.



x =

y =

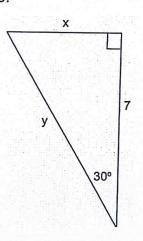
3.



x =

y =

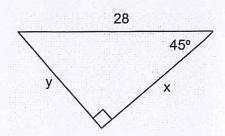
5.



x =

*y* =

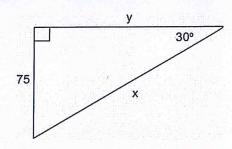
2.



x =

y =

4.

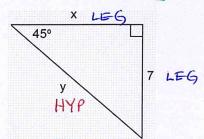


x =

y =

Find the EXACT value of each variable in each Special Right Triangle. Give answers in simplified radical form. Make sure all denominators are rationalized.

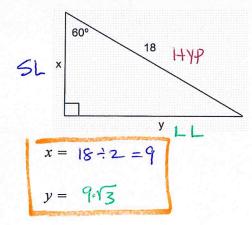
45-45-90 A 1.



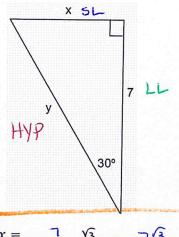
$$x = M 7$$

$$y = 7\sqrt{2}$$

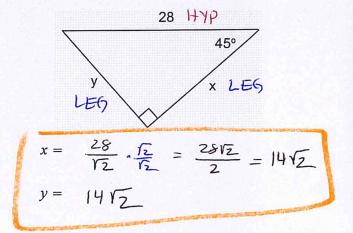
30-60-90 1

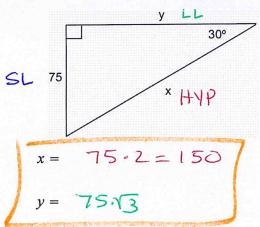


30-60-90 A 5.



$$x = \frac{7}{13} \cdot \frac{\sqrt{3}}{3} = \frac{7}{3}$$





$$y = \frac{75}{3} \cdot 2 = \frac{145}{3}$$