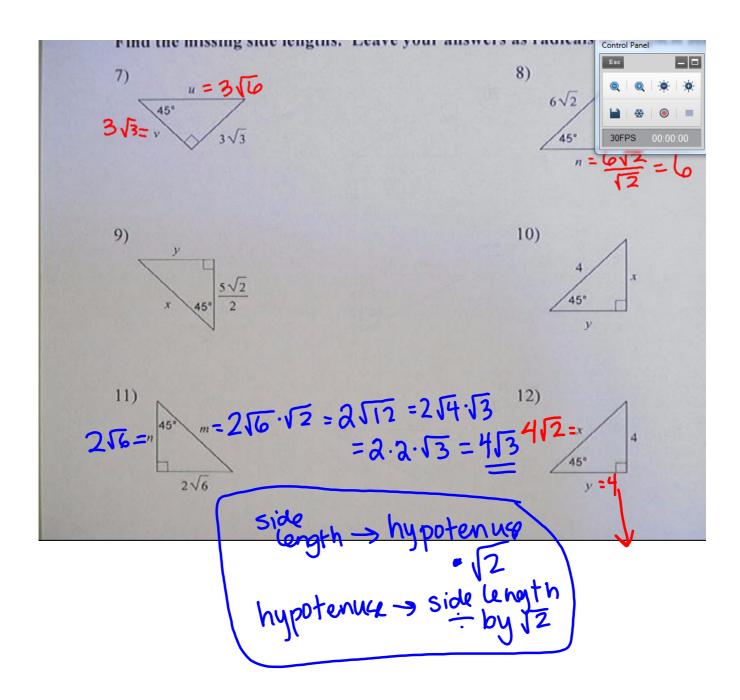
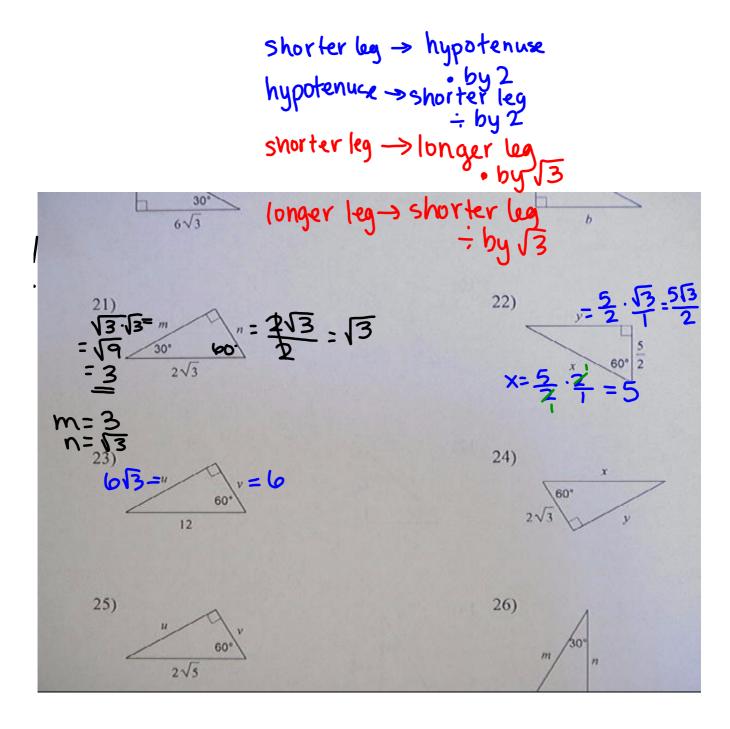
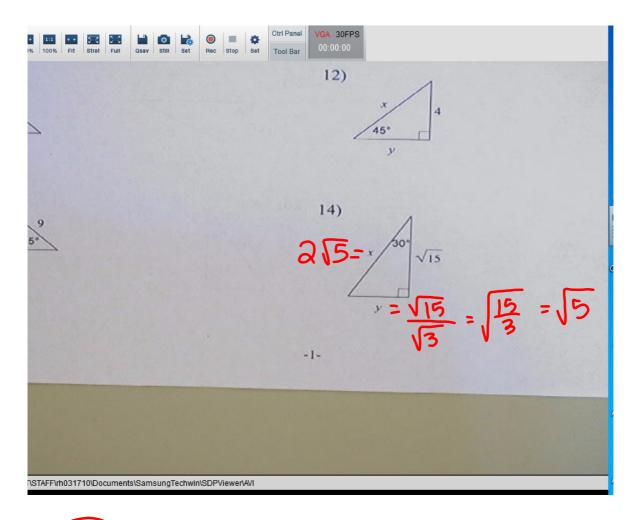
# Questions on Special Right Triangles Worksheet?







$$\begin{array}{c|c}
20 & 60 & 9 = 5.2 = 10 \\
\hline
0 & 30 & 5 & 5 \\
\hline
0 & 5 & 5 & 5 & 5
\end{array}$$

## What does it mean for a radical to be in "simplest form?"

### Radicand: \

- -There are no perfect square factors in the radicand.
- -There are no radicands in the denominator of a fraction.

#### Perfect squares:

$$\frac{1}{12}$$
,  $\frac{1}{12}$  =  $\frac{1}$ 

#### Simplify with your group.

$$\sqrt{810}$$

$$\sqrt{112}$$

$$\sqrt{27}$$

$$\sqrt{800}$$

#### Practice on a piece of paper.

a. 
$$\sqrt{96}$$

b. 
$$\sqrt{200}$$

c. 
$$\sqrt{392}$$

d. 
$$\sqrt{175}$$

#### Simplify with your group.

$$\frac{4}{\sqrt{5}} \cdot \frac{5}{\sqrt{5}} = \frac{4\sqrt{5}}{\sqrt{5}} = \frac{4\sqrt{5}}{5}$$

$$\frac{2}{\sqrt{3}}$$

$$\frac{14}{\sqrt{2}}$$

$$\frac{12}{\sqrt{6}}$$

Practice on a piece of paper.

a. 
$$\frac{1}{\sqrt{2}}$$

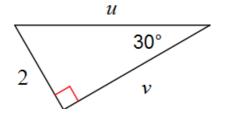
b. 
$$\frac{8}{\sqrt{7}}$$

c. 
$$\frac{4}{\sqrt{6}}$$

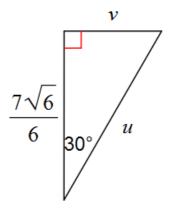
$$d. \frac{4}{\sqrt{10}}$$

#### Practice on a piece of paper.

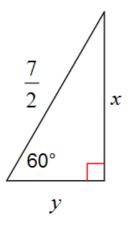
α.



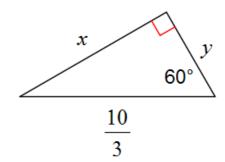
b.



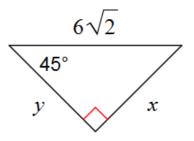
C



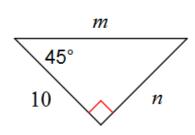
d.



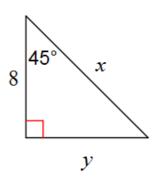
e.



f.



**g**.



h.

