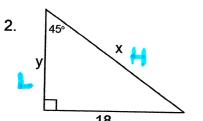
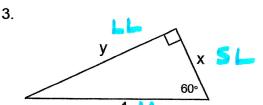


$$x = 1+VP = SL \cdot 2 = 50$$

$$y = LL = 51.63 = 2513$$
  $y = LEG = 18$ 

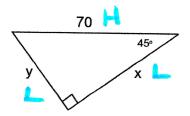


$$y = LE6 = 18$$



$$x = SL = HVP : 2 = 2$$

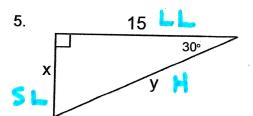
4.



$$x = \begin{cases} LE6S \\ ARE \end{cases} \rightarrow Leg = \frac{HVP}{V2}$$

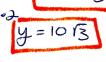
$$y = \begin{cases} \frac{70}{V2} & \frac{V2}{V2} \end{cases}$$

$$= \frac{7012}{2} = \frac{3512}{}$$



$$x = SL = \frac{LL}{13} = \frac{15}{13}, \frac{13}{13} = \frac{1513}{3}$$

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6. Use the given triangle to write each of the trig ratios:

a) 
$$\sin P = \frac{28}{53}$$

b) 
$$\cos P = \frac{45}{53}$$

c) 
$$\tan Q = \frac{45}{28}$$

d) 
$$\cos Q = \frac{28}{53}$$

- 7. In  $\triangle ABC$ ,  $\angle C$  is the right angle. Given  $\sin B = \frac{16}{65}$ , do the following:
- draw △ABC
- · label the vertices with the letters, A, B, and C
- · label the sides with their lengths which means you'll need to find the missing length
- · write the following ratios:

$$\cos B = \frac{63}{65}$$

$$\tan B = \frac{16}{63}$$

