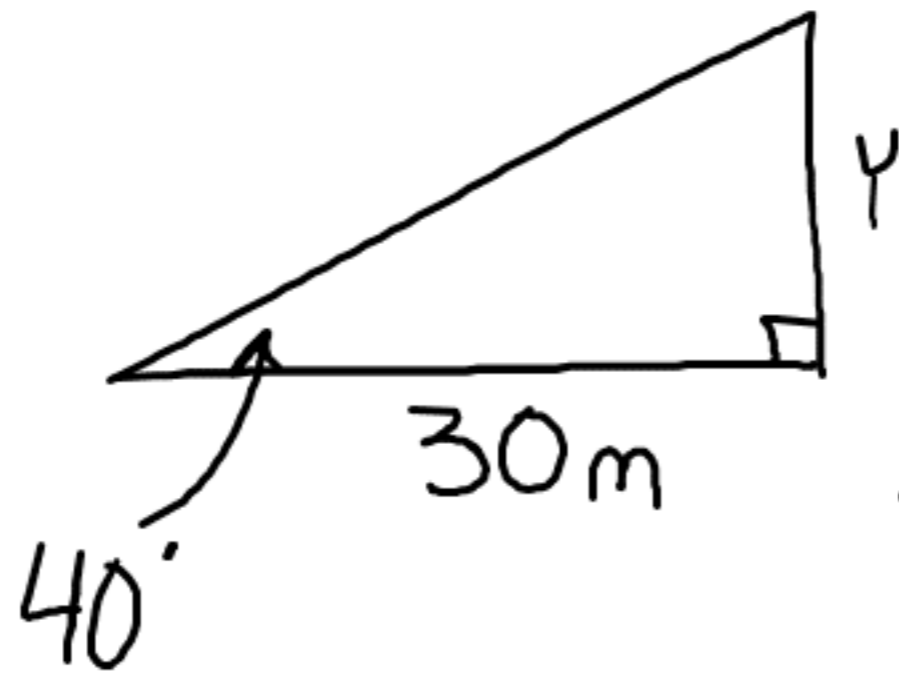


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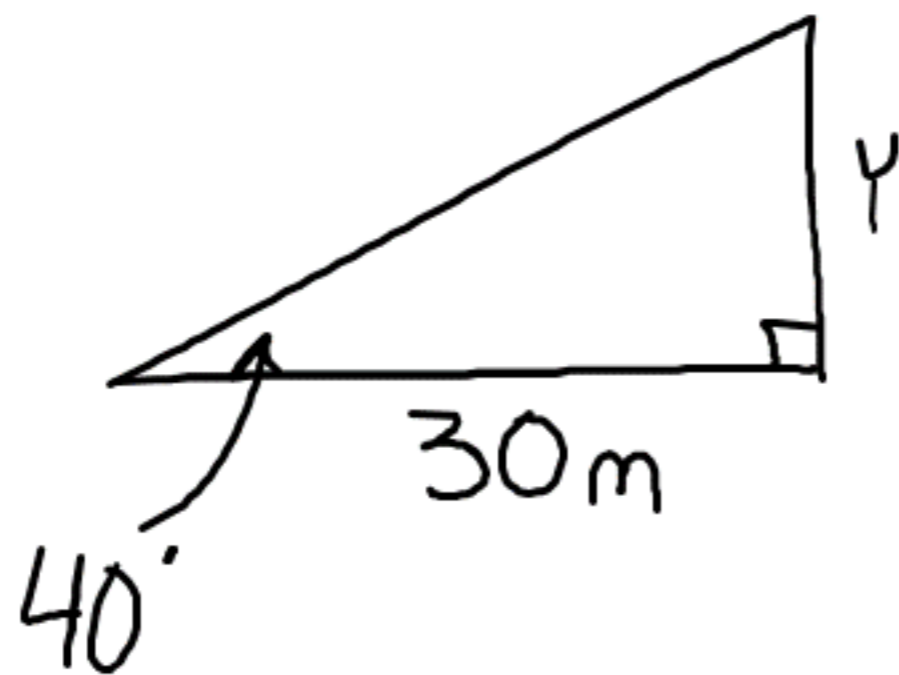
$$y = 25.2$$

$$\begin{aligned} \tan 40 &= \frac{y}{30} \\ 30(.839) &= y \end{aligned}$$

# Honors Warm Up

9/13

SOH-CAH-TOA

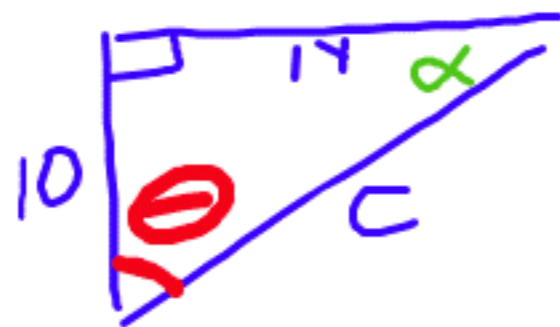


$$y = 25.2$$

$$\tan 40^\circ = \frac{y}{30}$$

$$30(\tan 40^\circ) = y$$

17)



$$c^2 = A^2 + B^2$$

$$c^2 = 100 + 196$$

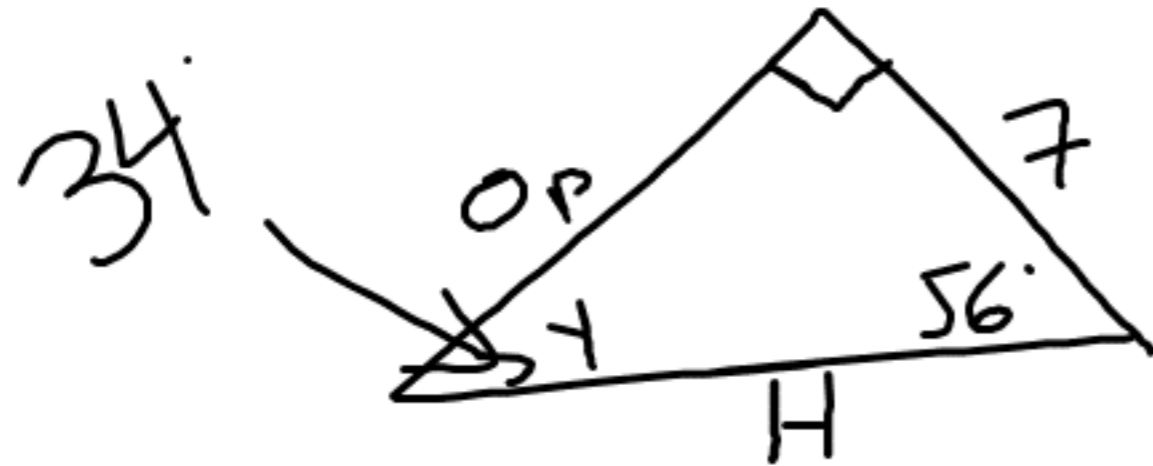
$$c = \sqrt{296} = \del{17.2} \del{16.1}$$

$$\text{TAN } \theta = \frac{14}{10}$$

$$\theta = \text{TAN}(1.4)$$

$$\theta = 54.46^\circ$$

$$\alpha = \del{15.54}^3$$



$$\cos 56 = \frac{7}{H}$$

$$\frac{.559}{1} = \frac{7}{H}$$

$$.559H = 7$$

$$H = \frac{7}{.559} = 12.5$$

$$\tan 56 = \frac{OP}{7}$$

$$7 \tan 56 = OP$$

$$10.378 = OP$$