Find the measure of the missing side and angles.

$$\alpha^{2} = (2 - b^{2}) \qquad \text{Cos } 0 = \text{adj}$$

$$= 10^{2} - 4^{2}$$

$$= 100 - 1b$$

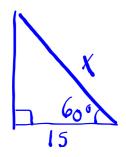
$$\alpha = 84$$

$$= 9.2$$

$$\beta = 180 - 90 - 66$$

$$= 24^{\circ}$$

Solve for x.



$$cos 0 = adj$$

hyp

 $cos 60^{\circ} = 15$
 x
 $x cos 60^{\circ} = 15$
 $x = 30$

Calculating the answer without rounding until the end.

$$\frac{12}{\cos 53} = 19.94$$

Two methods...

1. Some calculators are straight forward.

2. method two...