Sin
$$\Theta = \frac{opp.}{hyp.}$$
 $COS \Theta = \frac{adj.}{hyp.}$
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$$\cos 72^{\circ} = \frac{6}{x}$$

$$x \cos 72^{\circ} = 6$$

$$x = \frac{6}{\cos 72^{\circ}}$$

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$$x = \frac{19.4}{5}$$