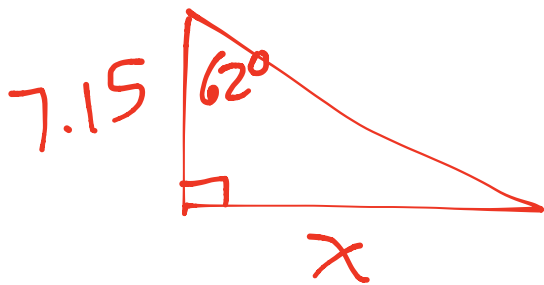


$$\tan 40^\circ = \frac{6}{h}$$

$$h = 6 \div \tan 40^\circ$$

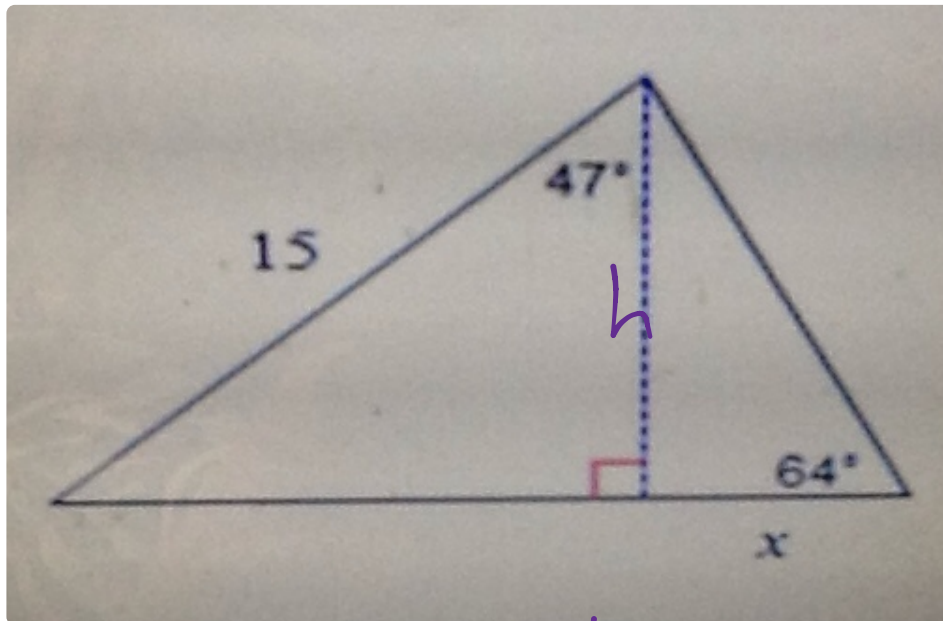
$$h = 7.15$$



$$\tan 62^\circ = \frac{x}{7.15}$$

$$x = 7.15 \tan 62^\circ$$

$$x = 13.35$$



$$\cos 47^\circ = \frac{h}{15}$$

$$h = 15 \cos 47^\circ$$

$$h = 10.2$$

$$\tan 64^\circ = \frac{10.2}{x}$$

$$x = 10.2 \div \tan 64^\circ$$

$$x = 4.989$$