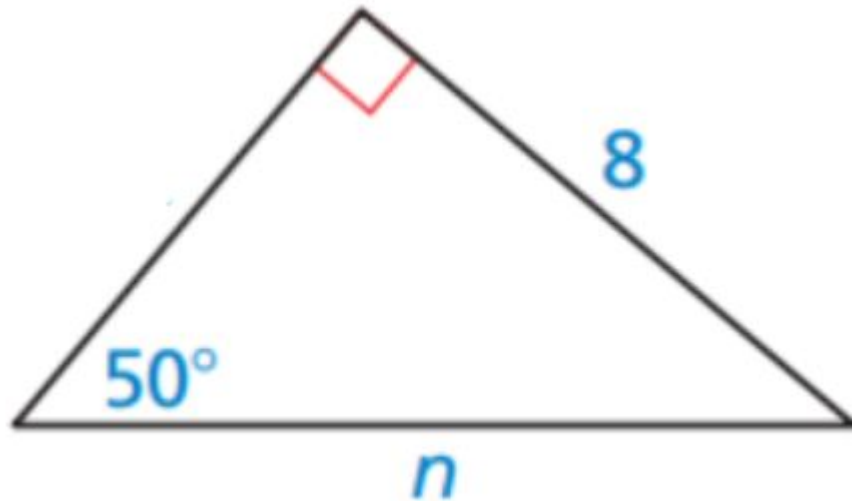


## Question 1:



$$\sin(50) = \frac{8}{n}$$

$$n \cdot \sin(50) = \frac{8}{n} \cdot n$$

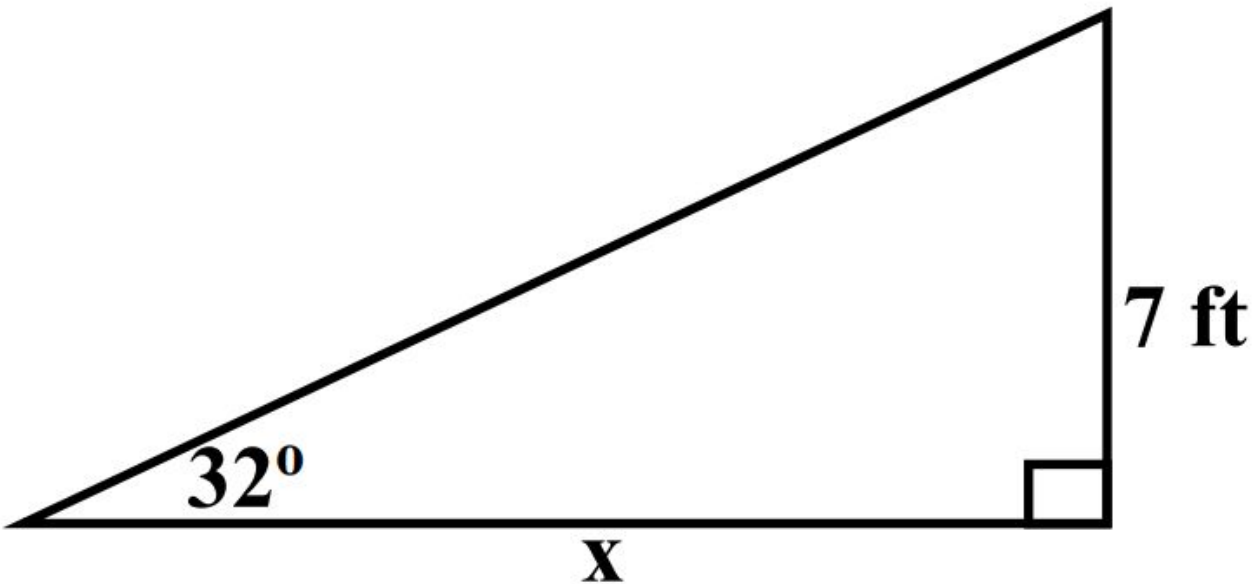
$$n \cdot \sin(50) = 8$$

$$\frac{n \sin(50)}{\sin(50)} = \frac{8}{\sin(50)}$$

$$n = \frac{8}{\sin(50)}$$

$$n \approx 10.44$$

## Question 2:



$$\tan(32) = \frac{7}{x}$$

$$x \cdot \tan(32) = \frac{7}{x} \cdot x$$

$$x \tan(32) = 7$$

$$\frac{x \tan(32)}{\tan(32)} = \frac{7}{\tan(32)}$$

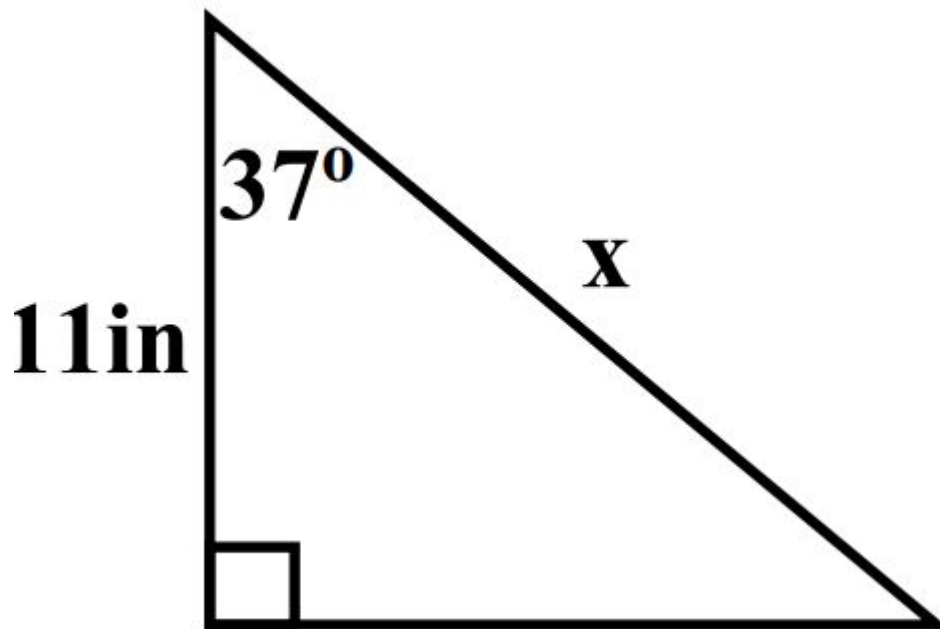
$$x = \frac{7}{\tan(32)}$$

$$x \approx 11.20$$

$$x \approx 11.20$$

$$x \approx 11.20$$

### Question 3:



$$\cos(37) = \frac{11}{x}$$

$$x * \cos(37) = \frac{11}{x} * x$$

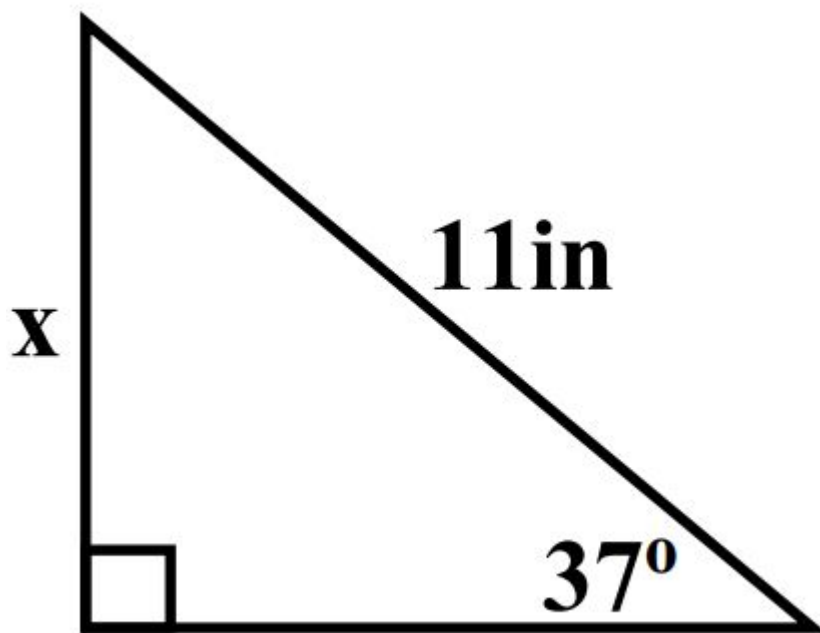
$$x \cos(37) = 11$$

$$\frac{x \cos(37)}{\cos(37)} = \frac{11}{\cos(37)}$$

$$x = \frac{11}{\cos(37)}$$

$$x \approx 13.77$$

## Question 4:



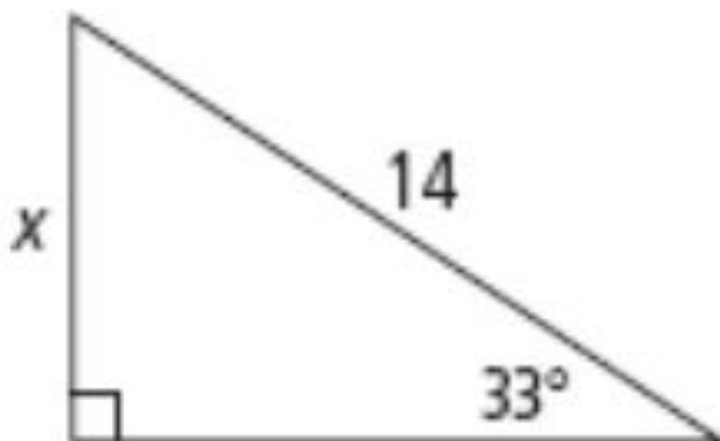
$$\sin(37) = \frac{x}{11}$$

$$11 * \sin(37) = \frac{x}{11} * 11$$

$$11 * \sin(37) = x$$

$$6.62 \approx x$$

## Question 5:



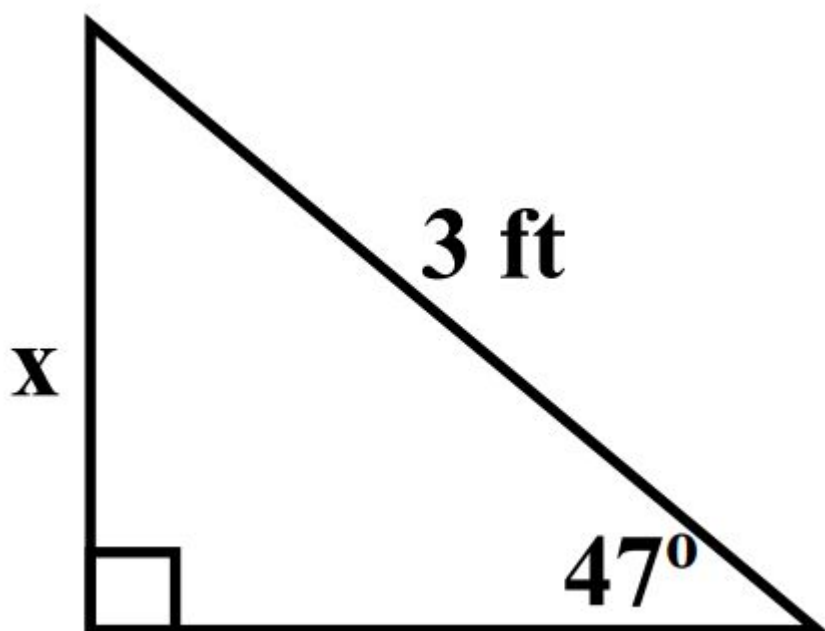
$$\sin(33) = \frac{x}{14}$$

$$14 * \sin(33) = \frac{x}{14} * 14$$

$$14 * \sin(33) = x$$

$$7.62 \approx x$$

## Question 6:



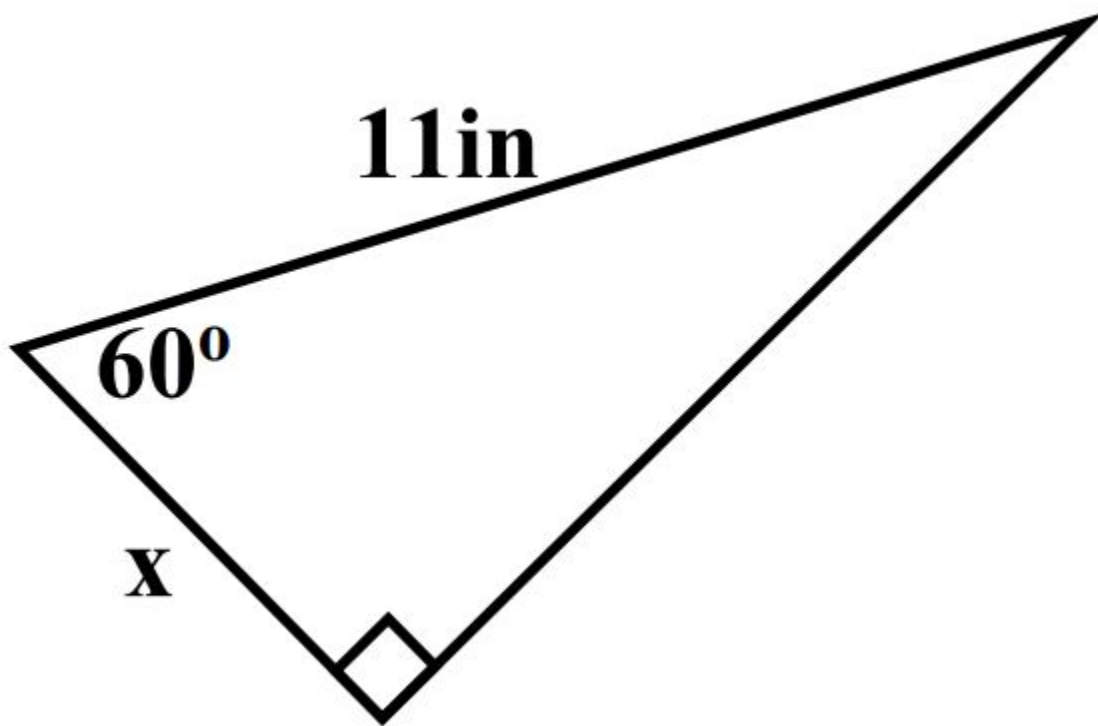
$$\sin(47) = \frac{x}{3}$$

$$3 * \sin(47) = \frac{x}{3} * 3$$

$$3 * \sin(47) = x$$

$$2.19 \approx x$$

## Question 7:



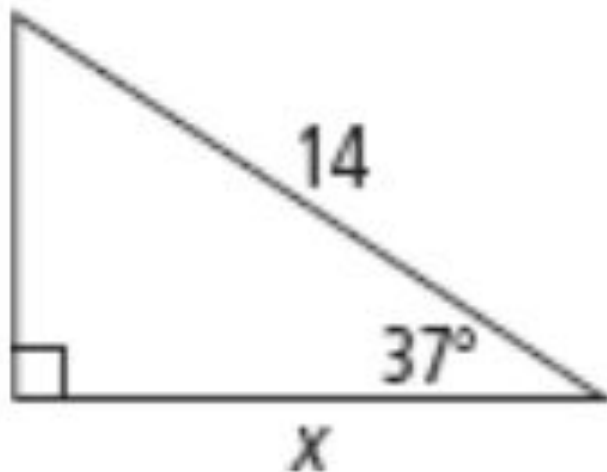
$$\cos(60) = \frac{x}{11}$$

$$11 * \cos(60) = \frac{x}{11} * 11$$

$$11 * \cos(60) = x$$

$$5.5 \approx x$$

## Question 8:



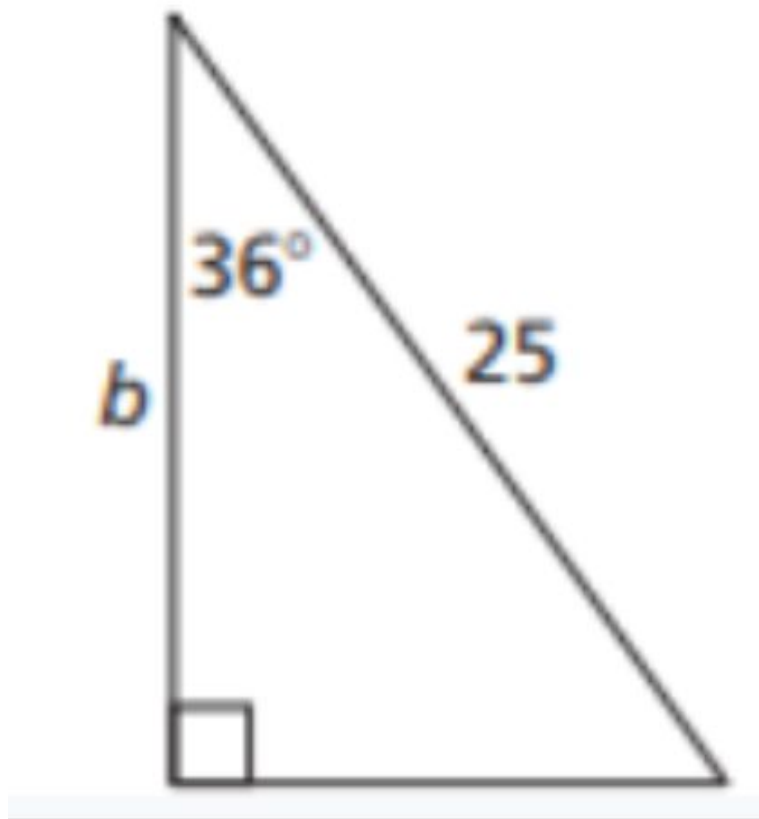
$$\cos(37) = \frac{x}{14}$$

$$14 * \cos(37) = \frac{x}{14} * 14$$

$$14 * \cos(37) = x$$
$$11.18 \approx x$$



## Question 9:

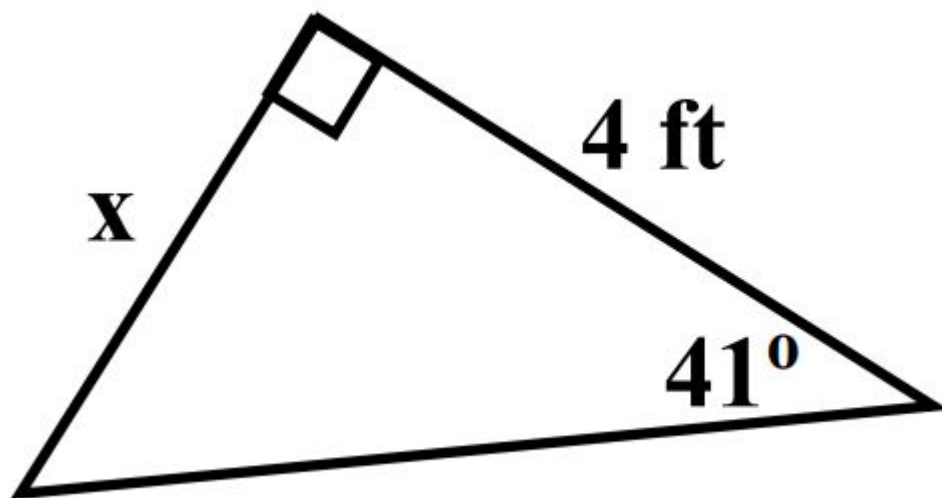


$$\cos(36) = \frac{x}{25}$$

$$25 * \cos(36) = \frac{x}{25} * 25$$

$$25 * \cos(36) = x$$
$$20.23 \approx x$$

## Question 10:



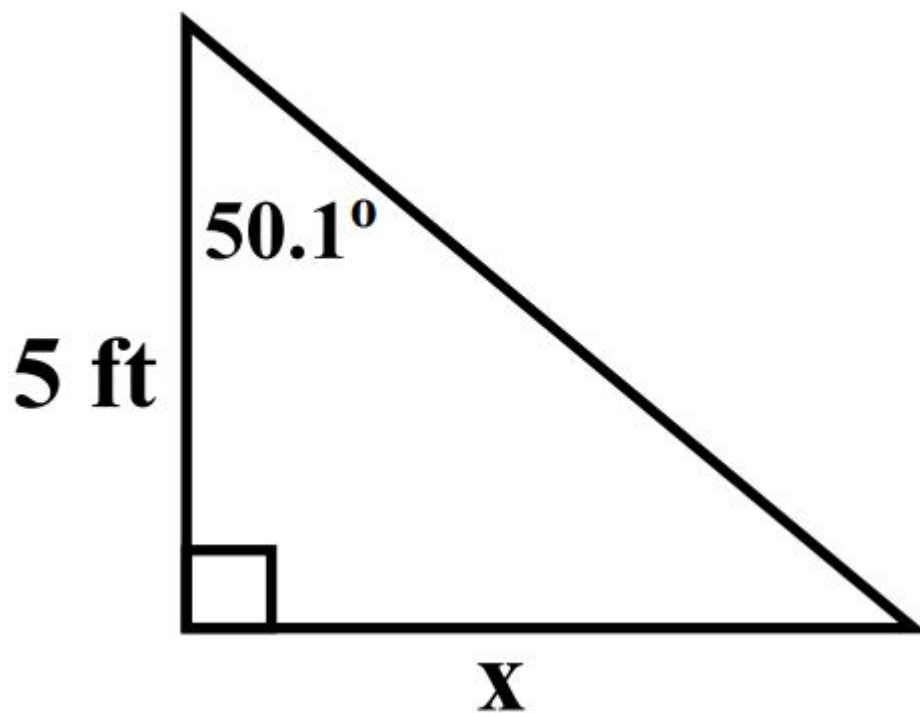
$$\tan(41) = \frac{x}{4}$$

$$4 * \tan(41) = \frac{x}{4} * 4$$

$$4 * \tan(41) = x$$

$$3.48 \approx x$$

## Question 11:



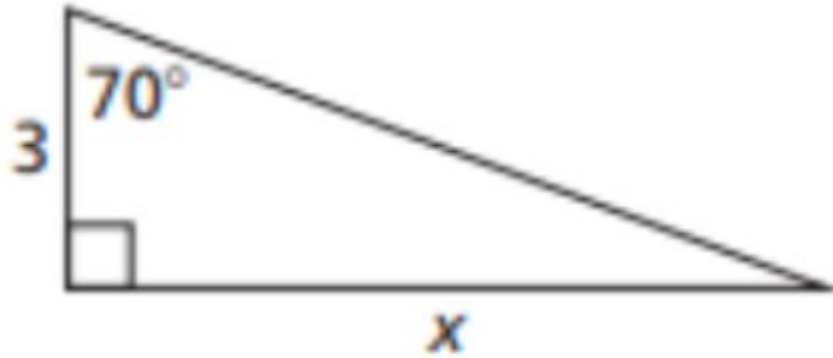
$$\tan (50.1) = \frac{x}{5}$$

$$5 * \tan(50.1) = \frac{x}{5} * 5$$

$$5 * \tan(50.1) = x$$

$$5.98 \approx x$$

## Question 12:



$$\tan(70) = \frac{x}{3}$$

$$3 * \tan(70) = \frac{x}{3} * 3$$

$$3 * \tan(70) = x$$

$$8.24 \approx x$$