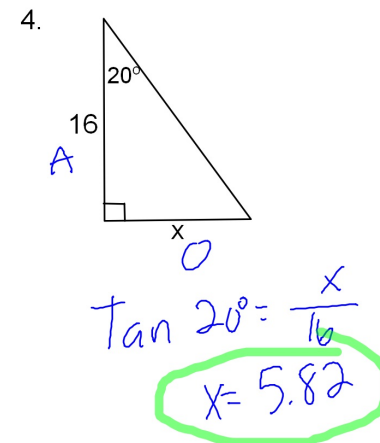
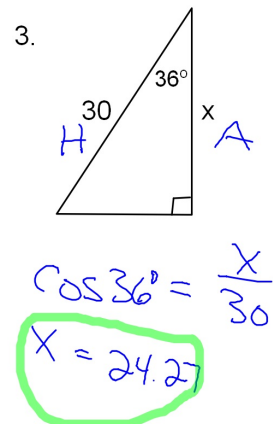
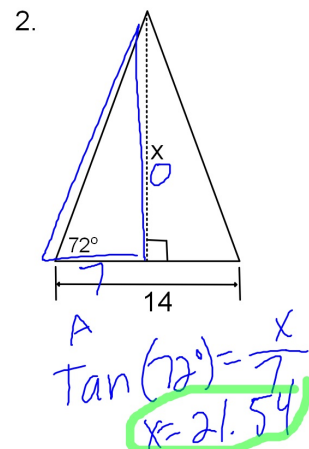
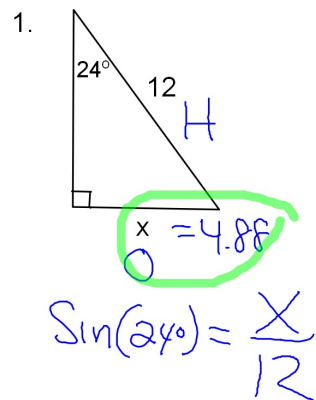
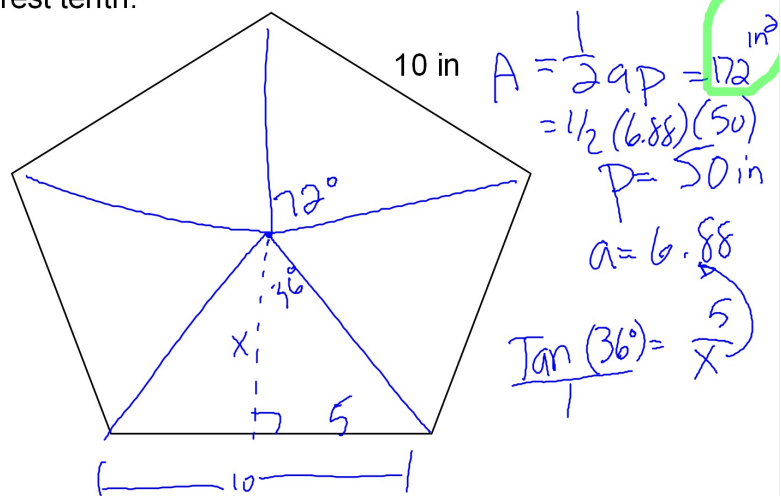


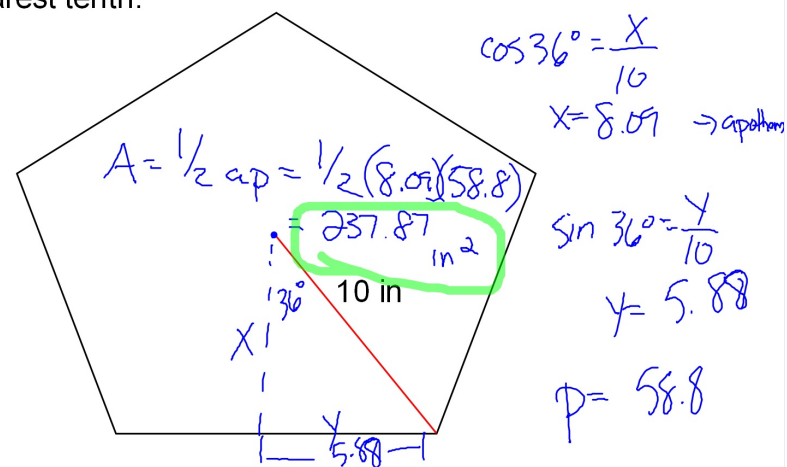
Find the value of x in each triangle to the nearest hundredth.



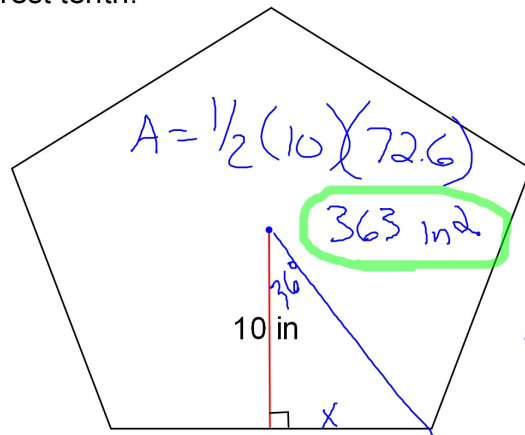
Find the area of this Regular Pentagon to the nearest tenth.



Find the area of this Regular Pentagon to the nearest tenth.



Find the area of this Regular Pentagon to the nearest tenth.



$$a = 10$$

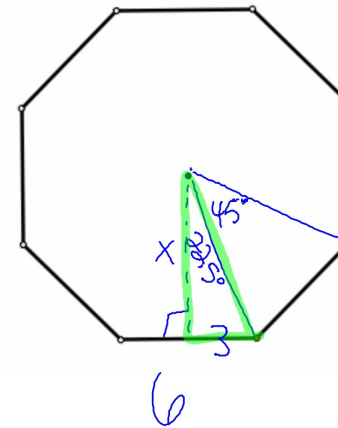
$$p = 72.6$$

$$\tan 36^\circ = \frac{x}{10}$$

$$7.26 = x$$

$$p = 72.6$$

Find the area of a regular octagon whose Perimeter is 48cm. (sides are 6 cm long)



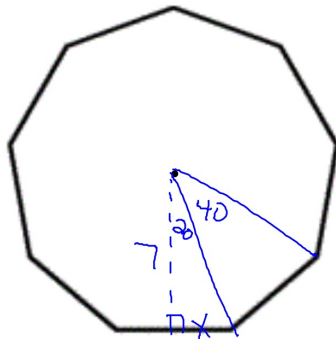
$$\frac{1}{2} ap = \frac{1}{2} (7.24) (48)$$

$$= 173.76 \text{ cm}^2$$

$$\frac{\text{apothem}}{\tan(22.5)} = \frac{3}{x}$$

$$x = 7.24$$

Find the area of a regular nonagon whose apothem is 7 in long.



$$\frac{1}{2} ap$$

$$A = \frac{1}{2} (7) (45.9) = 206.55 \text{ in}^2$$

$$\tan 20^\circ = \frac{x}{7}$$

$$x = 2.55$$

$$p = 45.9$$