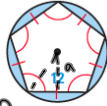


No Bellwork  
04/27/2012

Review 11.6



$$P = 12 \cdot s = 60$$

$$\frac{260}{2} = \frac{72}{2} = 36$$

$$\tan 36 = \frac{6}{a}$$

$$a = \frac{6}{\tan 36}$$

$$a = 8.26$$

$$A = \frac{1}{2} (8.26)(60)$$

$$A = 247.75 \text{ un}^2$$

$$\sin 36 = \frac{6}{r}$$

$$r = \frac{6}{\sin 36}$$

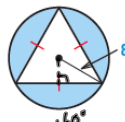
$$r = 10.21$$

$$A = (10.21)^2 \pi$$

$$A = 327.35 \text{ un}^2$$

$$327.35 - 247.75$$

$$A = 79.6 \text{ un}^2$$



$$\frac{360}{3} = \frac{120}{2} = 60^\circ$$

$$8 \cdot \cos 60 = \frac{a}{2} \cdot 8$$

$$a = 8 \cdot \cos 60 = 4$$

$$a = 4$$

$$8 \cdot \sin 60 = \frac{s}{8} \cdot 8$$

$$s = 8 \cdot \sin 60$$

$$s = 6.93$$

$$P = 41.57$$

$$A = \frac{1}{2} (4)(41.57)$$

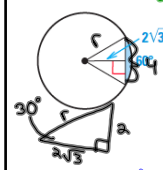
$$A = 83.14 \text{ un}^2$$

$$A = r^2 \pi$$

$$A = 8^2 \pi = 64\pi$$

$$A = 64\pi - 83.14$$

$$A = 117.92 \text{ un}^2$$



$$A.S. = \frac{m}{360} \cdot \pi r^2$$

$$A = \frac{1}{2} bh$$

$$\cos 30 = \frac{2\sqrt{3}}{r}$$

$$r = \frac{2\sqrt{3}}{\cos 30}$$

$$r = 4$$

$$A.S. = \frac{60}{360} \cdot (4)^2 \pi$$

$$\frac{960\pi}{360}$$

$$A.S. = \frac{8\pi}{3}$$

$$A = \frac{1}{2} (4)(2\sqrt{3})$$

$$A = 4\sqrt{3}$$

$$A = \frac{8\pi}{3} - 4\sqrt{3}$$

$$A = 1.45 \text{ un}^2$$

**Homework Assignment  
Worksheet 11.6B**