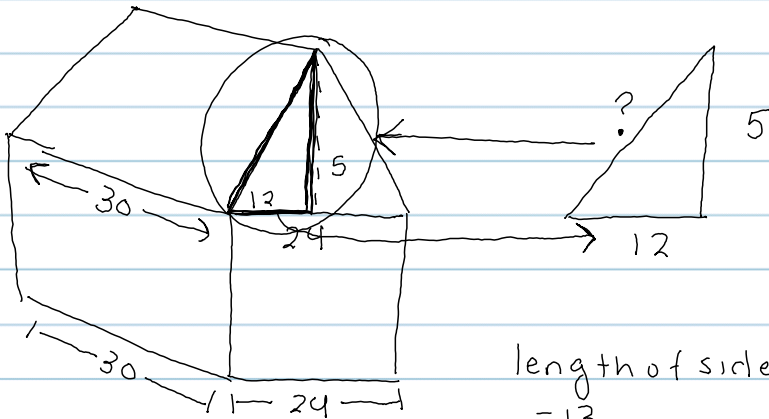


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Geometry B3

February 25<sup>th</sup> 2011



$$c^2 = a^2 + b^2$$

$$c = \sqrt{a^2 + b^2}$$

$$c = \sqrt{169}$$

length of side = 13

$390^2 = \text{area of}$

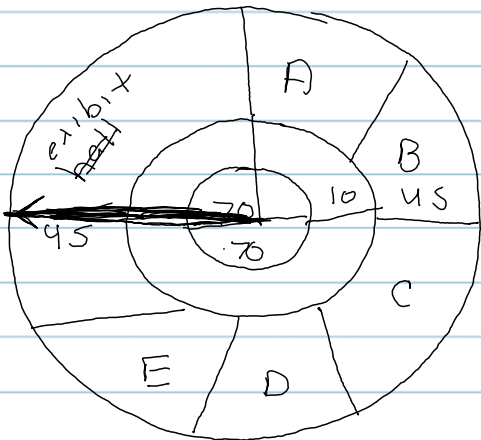
$\frac{1}{2}$  the roof  $C = 13$

780 = whole area

780 ft

Shingles = 100 ft<sup>2</sup>

7.8 packages  
need 8 packages of shingles  
\$200.00



$$\pi = 3.14$$

$$A = \pi r^2$$

$$r = \frac{1}{2}d$$

$$A = 3.14 (r)^2$$

$$A = \pi 90^2 = 25434 \text{ ft}^2 = \text{entire building}$$

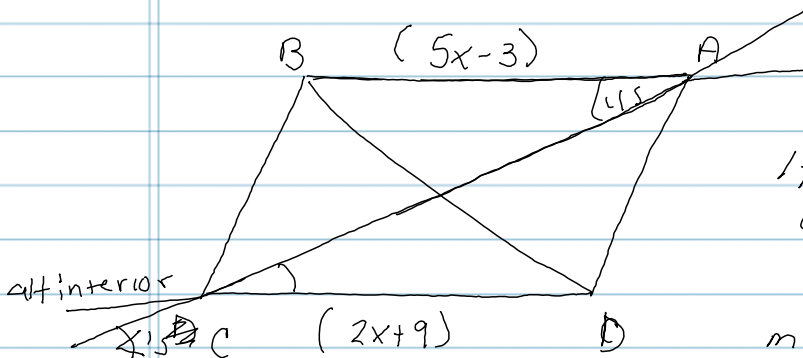
$$A = (\text{smaller circle}) \pi 45^2 = 6358.5 \text{ ft}^2$$

$$\text{Area} = 19075.5$$

$$A_{\text{segment}} = 2384.4 \times 3$$

$$A = 7153.2$$

YES!



$$\text{If } AB = 5x - 3$$

$$5x - 3 = 2x + 9$$

$$CD = 2x + 9$$

find AB

$$m\angle BAC = 45$$

$$m\angle ACD = ? \quad 45$$