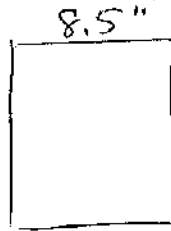
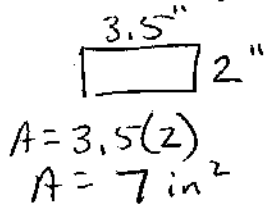


Graphic Arts
Area Quiz

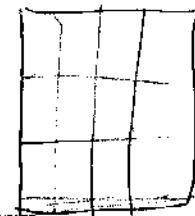
Name

Kay

1. How many $3\frac{1}{2}$ "x2" business cards can be printed from an 8.5"x11" card stock?



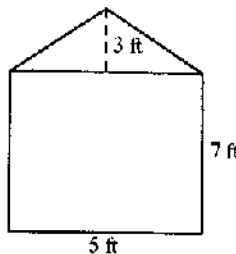
$A = 8.5(11)$
 $A = 93.5 \text{ in}^2$
 $93.5 \div 7$
13.3



$8.5 \div 3.5 \approx 2$
 $8.5 \div 2 \approx 4$
 $11 \div 2 = 5$
 $11 \div 3.5 \approx 3$

$\approx 10 - 12 \text{ cards}$

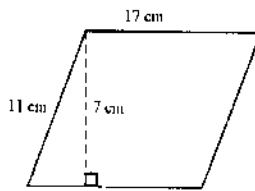
2. The diagram shows the dimensions of the front of a storage building. What is the area of the entire front of the building?



$A_{\Delta} = \frac{1}{2}bh$
 $A_{\Delta} = \frac{1}{2} \cdot 5 \cdot 3 = 7.5$
 $A_{\square} = lw$
 $A_{\square} = 5 \cdot 7 = 35$

$A = 7.5 + 35 = \underline{\underline{42.5 \text{ ft}^2}}$

3. Find the area.



$A = bh$
 $A = 17 \cdot 7$
 $A = \underline{\underline{119 \text{ cm}^2}}$

4. Find the area.

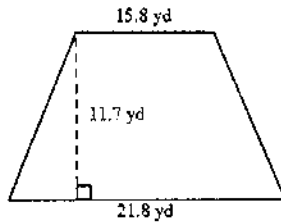


Diagram not to scale.

A. 92.43 yd^2

B. 219.96 yd^2

C. 127.53 yd^2

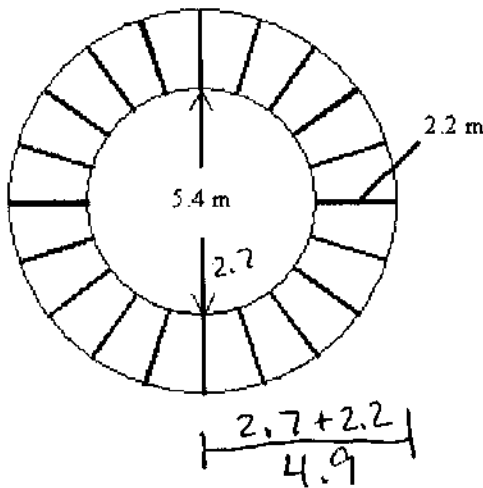
D. $43.9.92 \text{ yd}^2$

$$A = \frac{1}{2}(b_1 + b_2)h$$

$$A = \frac{1}{2}(15.8 + 21.8)(11.7)$$

$$A = \frac{1}{2}(37.6)(11.7) = 219.96 \text{ yd}^2$$

5. The figure represents the overhead view of a deck surrounding a hot tub. What is the area of the deck? Round to the nearest tenth.



$$A_0 = \pi r^2$$

$$A_{\text{Hot} + \text{deck}} = \pi(4.9)^2 = 75.4$$

$$A_{\text{Hot tub}} = \pi(2.7)^2 = 22.9$$

$$A_{\text{deck}} = A_{\text{HT} + \text{deck}} - A_{\text{HT}}$$

$$A = 75.4 - 22.9$$

$$A_{\text{deck}} = 52.5 \text{ m}^2$$