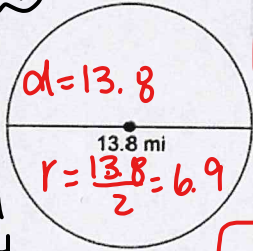


Pre-Algebra: Area of Different Geometric Figures Worksheet

Find the area for each figure. Be sure to include your units!!

$$\begin{array}{r} 6.9 \\ \times 6.9 \\ \hline 621 \\ 4140 \\ \hline 47.61 \end{array}$$



$$A = \pi r^2$$

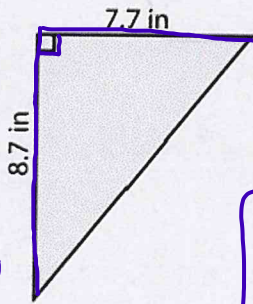
$$A = (3.14)(6.9)^2$$

$$A = (3.14)(47.61)$$

$$A = 149.4954 \text{ mi}^2$$

$$\begin{array}{r} 47.61 \\ \times 3.14 \\ \hline 19044 \\ 47610 \\ 149490 \\ \hline 149.4954 \end{array}$$

$$\begin{array}{r} 7.7 \\ \times 8.7 \\ \hline 539 \\ 6160 \\ \hline 66.99 \end{array}$$



$$A = \frac{bh}{2} = \frac{7.7 \cdot 8.7}{2}$$

$$A = \frac{66.99}{2}$$

$$A = 33.495 \text{ in}^2$$

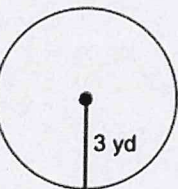
$$A = \pi r^2$$

$$= (3.14)(3)^2$$

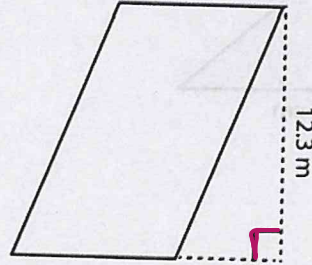
$$= (3.14)(9)$$

$$A = 28.26 \text{ yd}^2$$

$$\begin{array}{r} 3.14 \\ \times 9 \\ \hline 28.26 \end{array}$$



$$\begin{array}{r} 12.3 \\ \times 8.5 \\ \hline 615 \\ 9840 \\ \hline 104.55 \end{array}$$



$$A = bh$$

$$A = (12.3)(8.5)$$

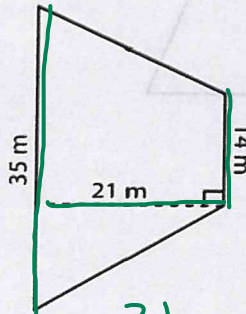
$$A = 104.55 \text{ m}^2$$

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

$$A = \frac{21(14 + 35)}{2}$$

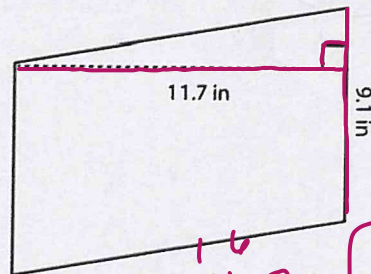
$$A = \frac{21(49)}{2} = \frac{1029}{2}$$

$$A = 514.5 \text{ m}^2$$



$$\begin{array}{r} 21 \\ \times 49 \\ \hline 189 \\ +846 \\ \hline 1029 \end{array}$$

6.



$$A = bh$$

$$A = (11.7)(9.1)$$

$$A = 106.47 \text{ in}^2$$

$$\begin{array}{r} 11.7 \\ \times 9.1 \\ \hline 117 \\ 10530 \\ \hline 106.47 \end{array}$$

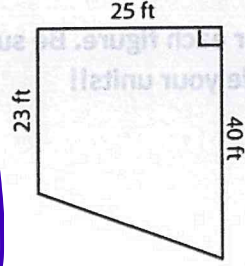
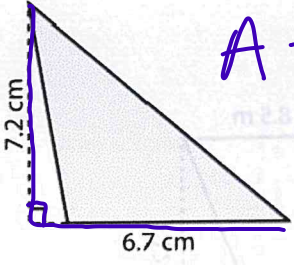
3
4
3.6
x 6.7
2160
2152
2412

7.

$$A = \frac{bh}{2} = \frac{(7.2)(6.7)}{2} \quad 10.$$

$$A = (3.6)(6.7)$$

$$A = 24.12 \text{ cm}^2$$



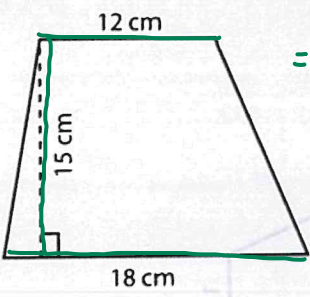
8.

$$A = \frac{h(b_1 + b_2)}{2} = \frac{(15)(12 + 18)}{2}$$

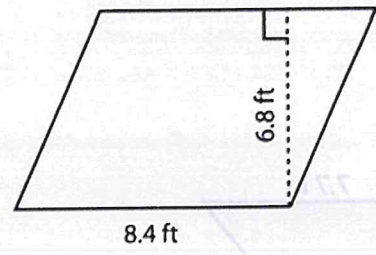
$$= \frac{15(30)}{2} = 15 \cdot 15$$

$$A = 225 \text{ cm}^2$$

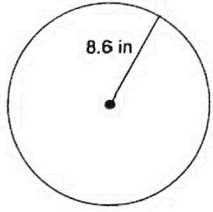
2
15
x 15
175
150
225



11.



9.



12.

