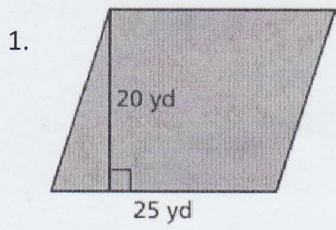
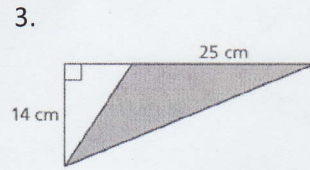


Center #1 – Find the area of the parallelogram (#1 and 2) or triangle (#3 and 4).

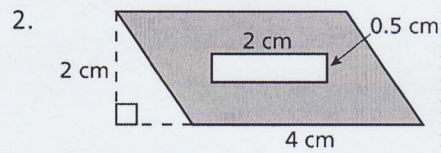
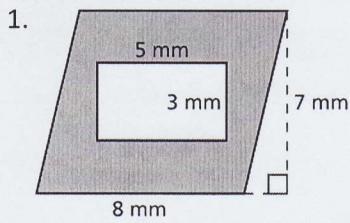


2. $b = 12.75 \text{ in}$ $h = 4.25 \text{ in}$

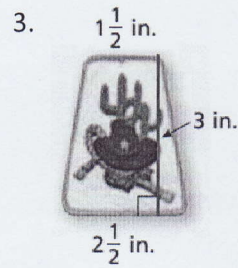
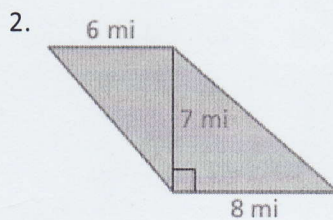
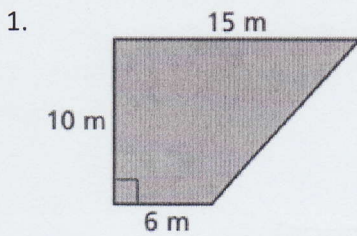


4. $b = 2\frac{2}{3} h = 5\frac{1}{10}$

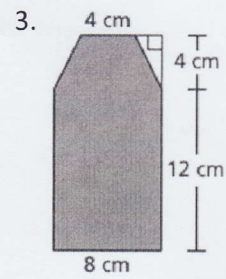
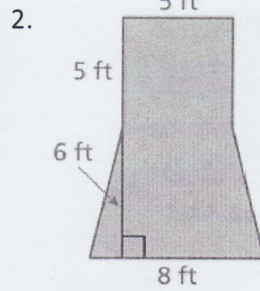
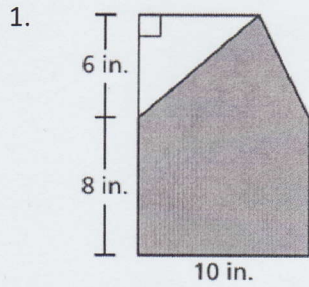
Center #2 – Find the area of the shaded area.



Center #3 – Find the area of the trapezoid.



Center #4 – Find the area of the figure.



Center #5 – Find the perimeter and area of the polygon with the given vertices.

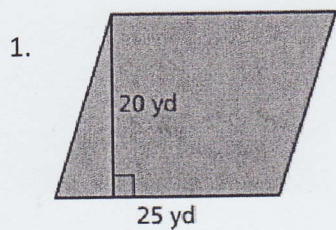
1. $P(4,3)$, $Q(4,7)$, $R(9,7)$, $S(9,3)$

2. $A(12,2)$, $B(12,13)$, $C(15,13)$, $D(15,2)$

Center #6

The vertices of a yard are $A(4,3)$, $B(4,12)$, $C(14,12)$, $D(14,3)$. The vertices of a garden inside the yard are $E(5,5)$, $F(5,8)$, $G(9,8)$, $H(9,5)$. The coordinates are measured in feet. How many square feet of grass do you need to cover the yard?

Center #1 – Find the area of the parallelogram (#1 and 2) or triangle (#3 and 4).

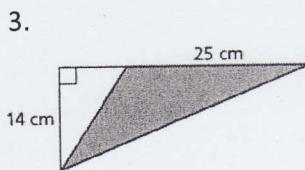


$$25 \times 20$$

$$500 \text{ yd}^2$$

2. $b = 12.75 \text{ in}$ $h = 4.25 \text{ in}$

$$\begin{array}{r} 12.75 \\ \times 4.25 \\ \hline 54.1875 \text{ in}^2 \end{array}$$



$$25 \times 14 = 350$$

$$350 \div 2 = 175 \text{ cm}^2$$

4. $b = 2\frac{2}{3} h = 5\frac{1}{10}$

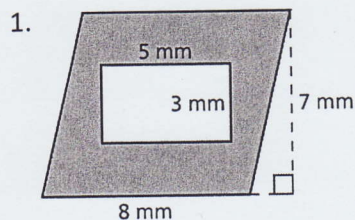
$$2\frac{2}{3} \cdot 5\frac{1}{10}$$

$$\frac{8}{3} \cdot \frac{51}{10} = \frac{68}{5}$$

$$\frac{68}{5} \div 2$$

$$34 \frac{68}{5} \cdot \frac{1}{2} = \frac{34}{5} = 6\frac{4}{5}$$

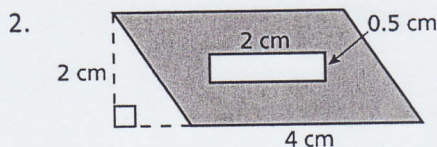
Center #2 – Find the area of the shaded area.



$$8 \times 7 = 56$$

$$5 \times 3 = 15$$

$$56 - 15 = 41 \text{ mm}^2$$

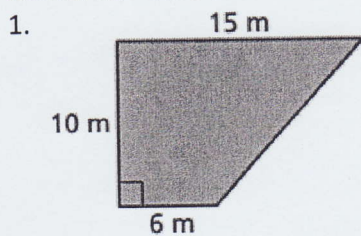


$$4 \times 2 = 8$$

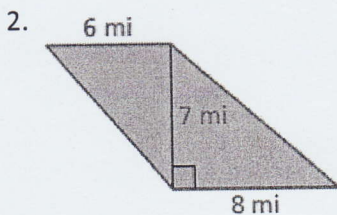
$$2 \times 0.5 = 1$$

$$8 - 1 = 7 \text{ cm}^2$$

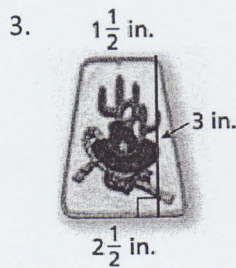
Center #3 – Find the area of the trapezoid.



$$\begin{array}{r} 15 + 6 = 21 \\ \times 10 \\ \hline 210 \div 2 = 105 \text{ m}^2 \end{array}$$



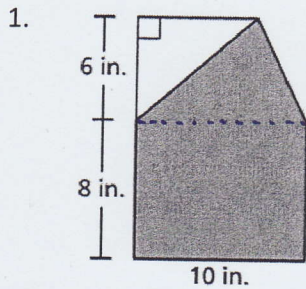
$$\begin{array}{r} 8 + 6 = 14 \\ \times 7 \\ \hline 98 \\ 98 \div 2 = 49 \text{ mi}^2 \end{array}$$



$$2\frac{1}{2} + 1\frac{1}{2} = 4$$

$$4 \times 3 = 12 \div 2 = 6 \text{ in}^2$$

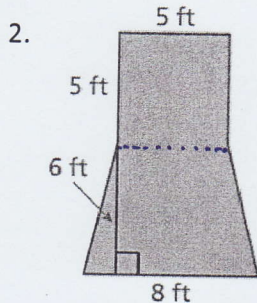
Center #4 – Find the area of the figure.



$$10 \times 8 = 80$$

$$6 \times 10 = 60 \div 2 = 30$$

$$80 + 30 = 110 \text{ in}^2$$

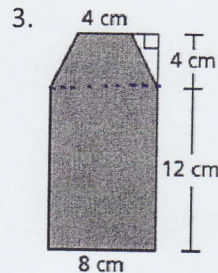


$$5 \times 5 = 25$$

$$8 + 5 = 13 \times 6 = 78$$

$$78 \div 2 = 39$$

$$25 + 39 = 64 \text{ ft}^2$$



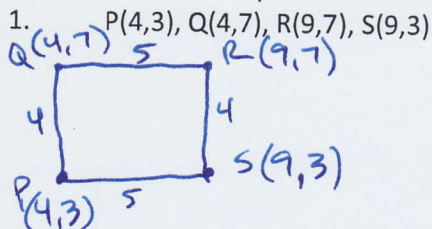
$$12 \times 8 = 96$$

$$8 + 4 = 12 \times 4 = 48$$

$$48 \div 2 = 24$$

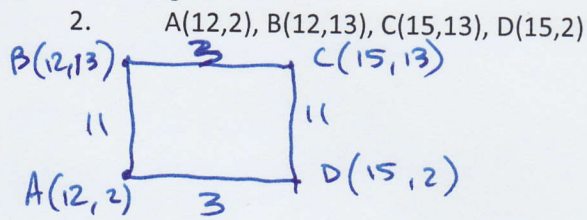
$$96 + 24 = 120 \text{ cm}^2$$

Center #5 – Find the perimeter and area of the polygon with the given vertices.



$$P: 4 \times 2 + 5 \times 2 = 18$$

$$A: 4 \times 5 = 20$$

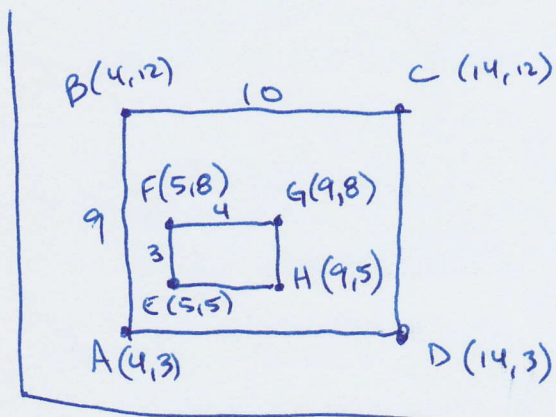


$$P = 11 \times 2 + 3 \times 2 = 28$$

$$A = 11 \times 3 = 33$$

Center #6

The vertices of a yard are A(4,3), B(4,12), C(14,12), D(14,3). The vertices of a garden inside the yard are E(5,5), F(5,8), G(9,8), H(9,5). The coordinates are measured in feet. How many square feet of grass do you need to cover the yard?



$$\text{Yard: } 9 \times 10 = 90$$

$$\text{Garden: } 3 \times 4 = 12$$

$$90 - 12 = 78 \text{ ft}^2$$