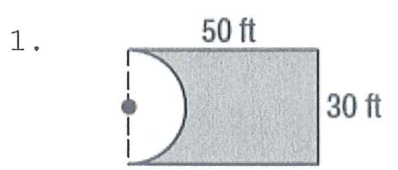
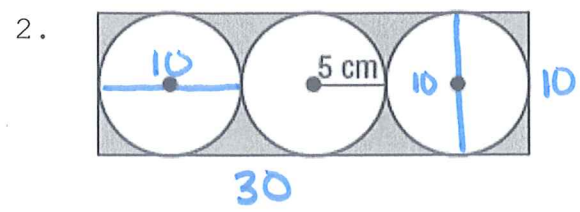


Area of Composites Practice

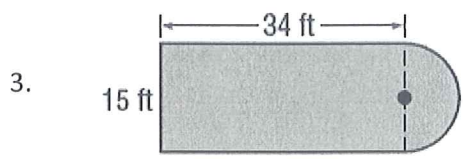
Find the area of the shaded regions.



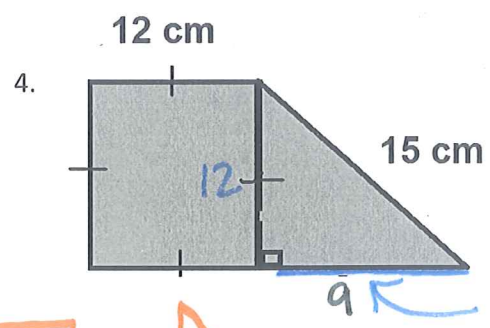
$\square - \frac{1}{2} \odot$
 $A_s = 50 \times 30 - \frac{1}{2} \pi 15^2$
 $A_s = 1146.6 \text{ ft}^2$



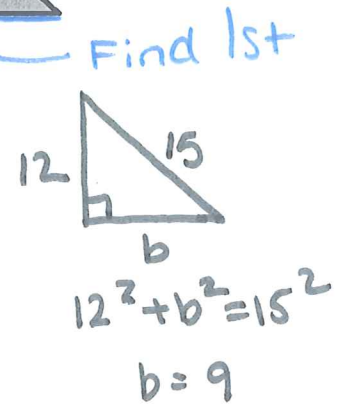
$\square - 3 \odot$
 $A_s = 30 \times 10 - 3 \left(\frac{1}{2} \pi 5^2 \right)$
 $A_s = 182.2 \text{ cm}^2$



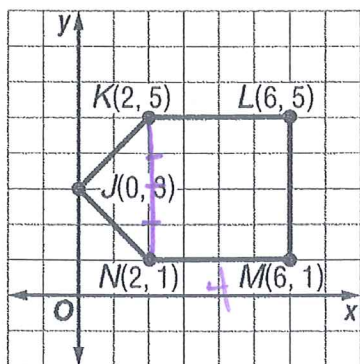
$\square + \frac{1}{2} \odot$
 $A_s = 15 \times 34 + \frac{1}{2} \pi 7.5^2$
 $A_s = 598.4 \text{ ft}^2$



$12 \square + 12 \triangle$
 $A_s = 12 \times 12 + \frac{1}{2} 9 \times 12$
 $A_s = 198 \text{ cm}^2$



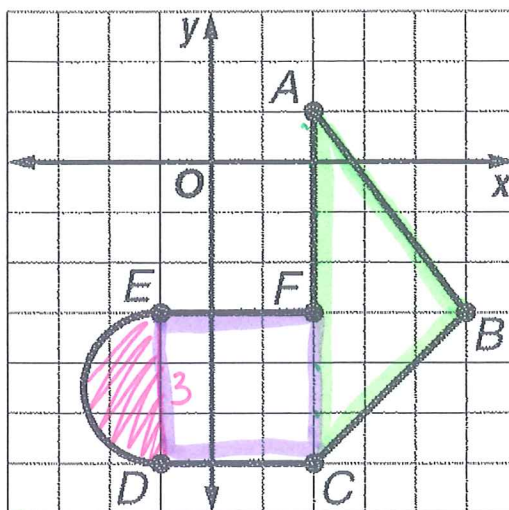
5.



$$A_s = \frac{1}{2} 4 \cdot 2 + 4 \times 4$$

$$A_s = 20 \text{ units}^2$$

6.

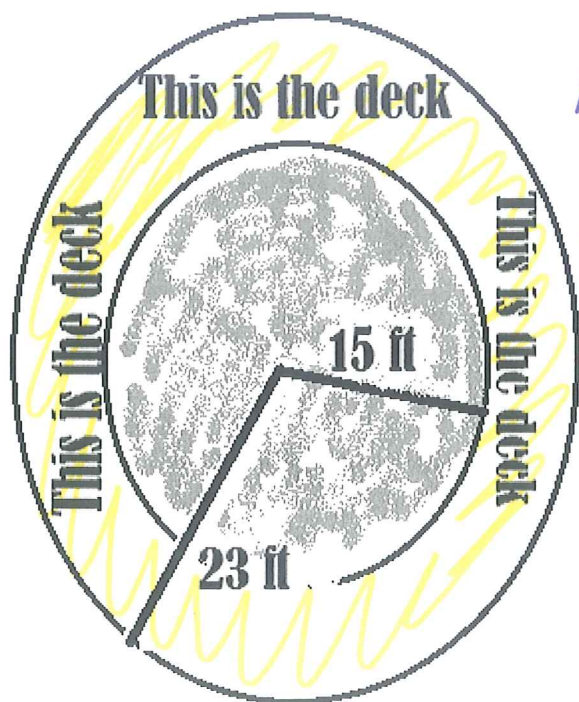


$d = 3 \rightarrow r = 1.5$

$$A_s = \frac{1}{2} \pi (1.5)^2 + 3 \times 3 + \frac{1}{2} 7 \times 3$$

$$A_s = 23.0 \text{ units}^2$$

7. Connor's family is putting in a new patio pool deck. The radius of the pool is 15 feet and the width of the pool deck must be 8 feet making it 23 feet from the outer edge of the deck to the center of the pool. COLOR IN THE POOL DECK!!!!!! THEN.... Find the area of the pool deck.



$$A_{\text{deck}} = \text{Big} - \text{little}$$

$$A_{\text{deck}} = \pi 23^2 - \pi 15^2$$

$$\text{Area of the deck is } = 955.0 \text{ ft}^2$$