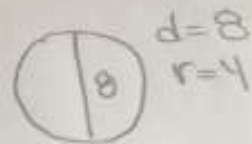


ANSWERS

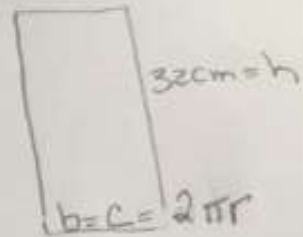
#1



$$AO = \pi r^2 \\ (3.14)(4)(4) \\ \underline{50.2}$$

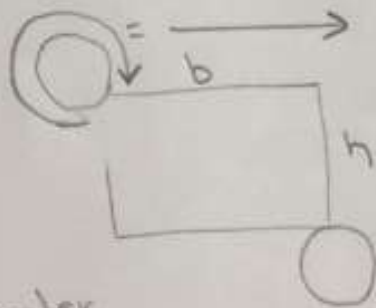


$$A_{\square} = bh \\ = 2\pi r \times 32 \\ (2 \times 3.14 \times 4) \times 32 \\ \underline{803.8}$$



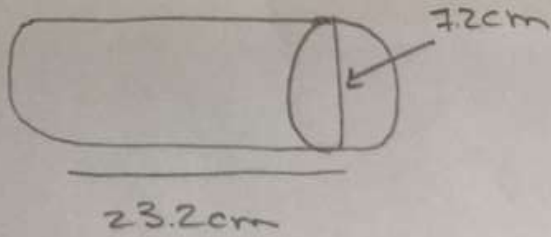
$$SA_{\text{cyl}} = 2AO + A_{\square} \\ 2(50.2) + 803.8 \\ 100.4 + 803.8 \\ \underline{904.2 \text{ cm}^2}$$

Remember.. the base of your rectangle is the same as the circumference of the circle.



$$r = \frac{1}{2} \text{ diameter}$$

$$C = 2\pi r$$

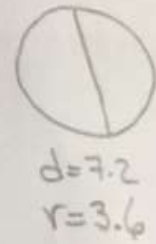


$$A_{\text{O}} = \pi r^2$$

$$(3.14)(3.6)^2$$

$$(3.14)(3.6)(3.6)$$

$$\underline{40.7 \text{ cm}^2}$$



$$S = 2A_{\text{O}} + A_{\text{L}}$$

$$2(40.7) + 524.5$$

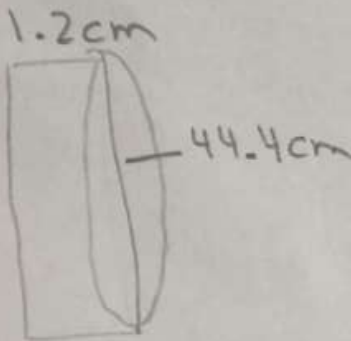
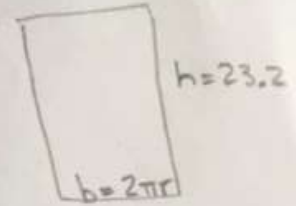
$$\boxed{605.9 \text{ cm}^2}$$

$$A_{\text{L}} = bh$$

$$(2\pi r)(23.2)$$

$$(2 \times 3.14 \times 3.6)(23.2)$$

$$\underline{524.5 \text{ cm}^2}$$

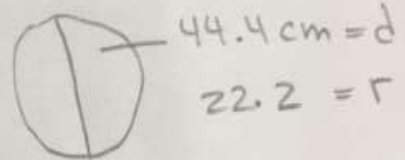


$$A_{\text{O}} = \pi r^2$$

$$(3.14)(22.2)^2$$

$$(3.14)(22.2)(22.2)$$

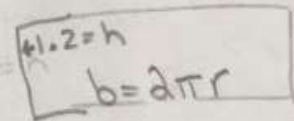
$$\underline{1547.5 \text{ cm}^2}$$



$$A_{\text{L}} = bh$$

$$(2 \times 3.14 \times 22.2) \times 1.2$$

$$\underline{167.3 \text{ cm}^2}$$



$$SA_{\text{C}} = 2A_{\text{O}} + A_{\text{L}}$$

$$2(1547.5) + 167.3$$

$$3095 + 167.3$$

$$\boxed{3262.3 \text{ cm}^2}$$