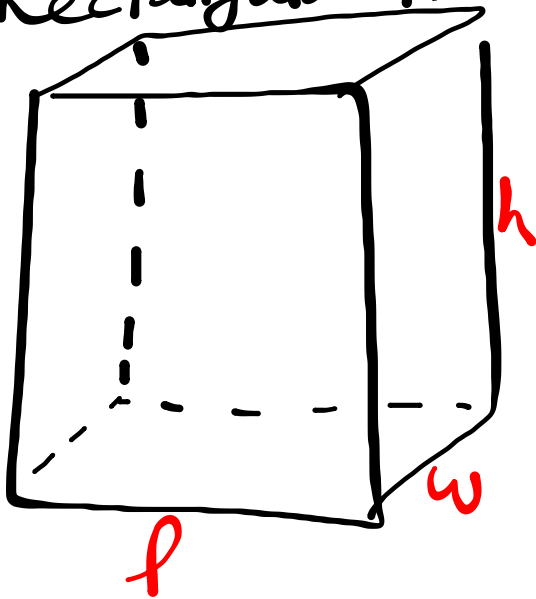


SURFACE AREA

Surface area is the sum of all the areas of all the surfaces, or faces, of a solid.

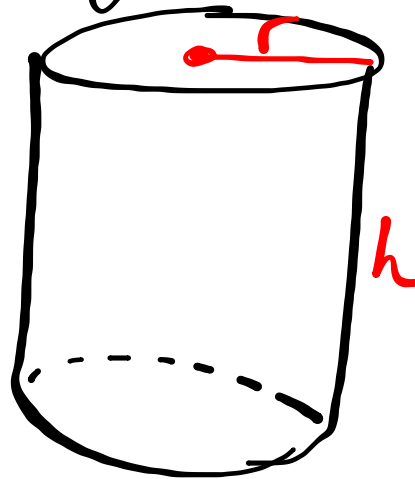
* Units are Squared

Rectangular Prism

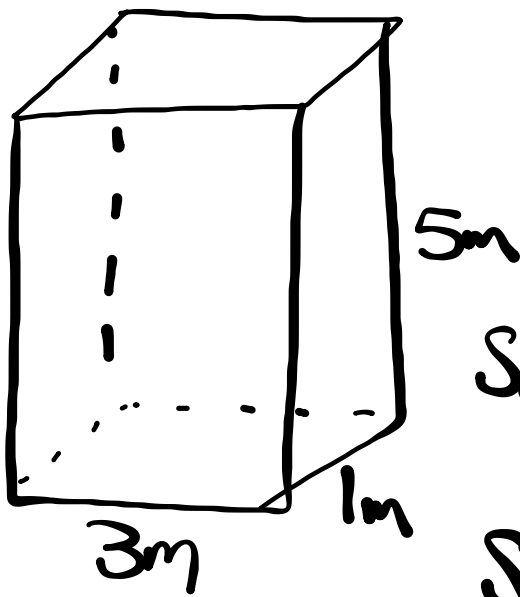


$$SA = 2lw + 2wh + 2lh$$

Cylinder



$$SA = 2\pi rh + 2\pi r^2$$



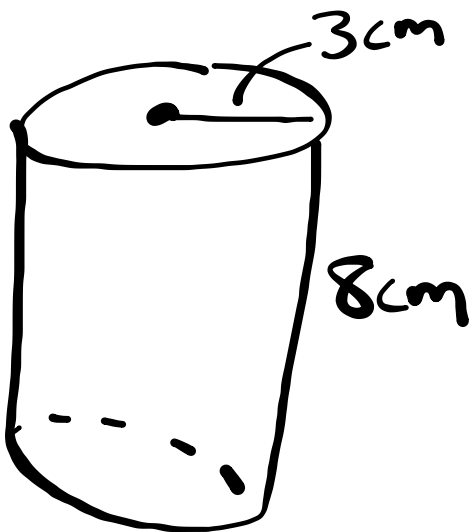
$$SA = 2lw + 2wh + 2lh$$

$$l = 3 \quad w = 1 \quad h = 5$$

$$SA = 2(3)(1) + 2(1)(5) +$$

$$SA = 6 + 10 + 2(3)(5)$$

$$SA = 46 \text{ m}^2$$



$$SA = 2\pi rh + 2\pi r^2$$

$$r = 3 \quad h = 8$$

$$SA = 2\pi(3)(8) + 2\pi(3)^2$$
$$= 150.8 + 56.6$$

$$= 207.3 \text{ cm}^2$$