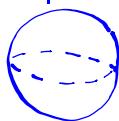


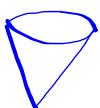
## Surface Area Formulas

1. Sphere



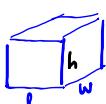
$$A = 4\pi r^2$$

2. Cone



$$A = \pi r^2 + \pi r s$$

3. Rectangular Prism (Box)



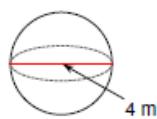
$$A = 2lw + 2lh + 2wh$$

4. Cylinder



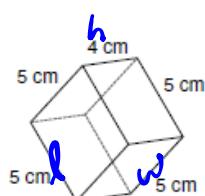
$$A = 2\pi r^2 + 2\pi rh$$

1)



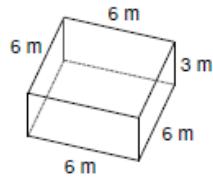
$$\begin{aligned} A &= 4\pi r^2 \\ &= 4\pi (2)^2 \\ &= 16\pi \\ &\approx 50.3 \text{ m}^2 \end{aligned}$$

2)

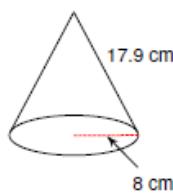


$$\begin{aligned} A &= 2lw + 2lh + 2wh \\ &= 2(5)(5) + 2(5)(4) + 2(5)(4) \\ &= 50 + 40 + 40 \\ &= 130 \text{ cm}^2 \end{aligned}$$

3)



4)



## Surface Area of Solids Worksheet