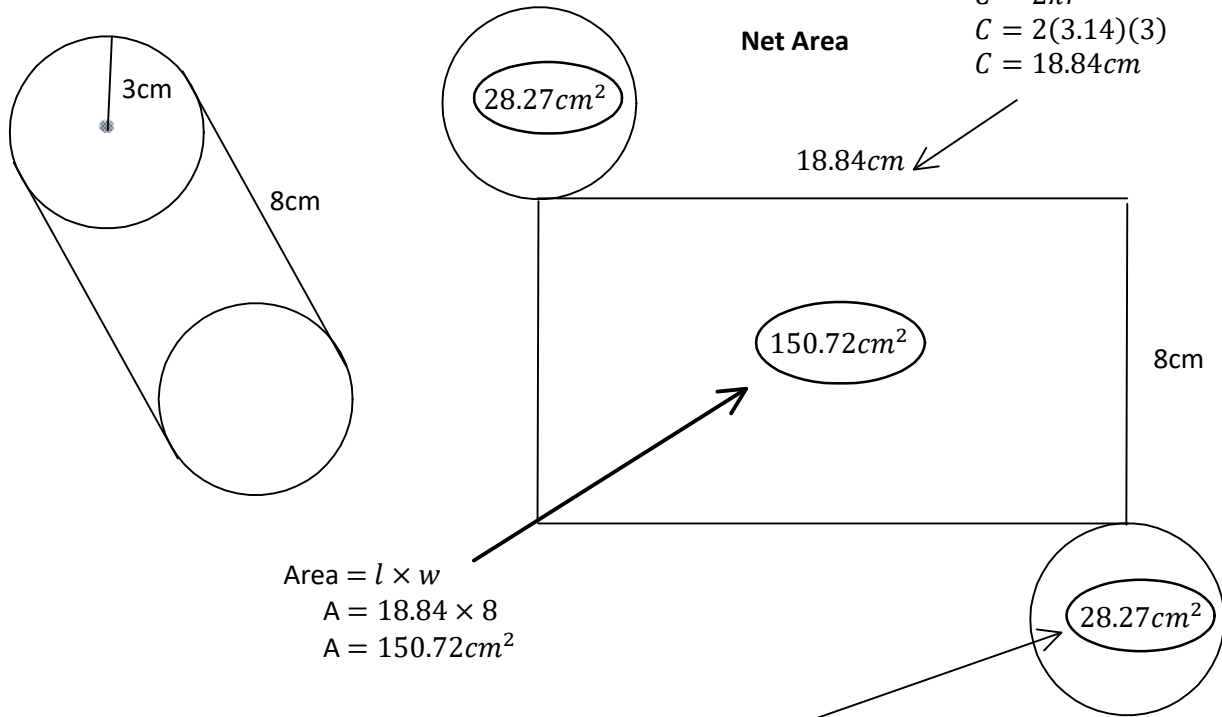


M8 - 5.3 - Cylinder/Triangular Prism Surface Area Notes

Cylinder



$$SA = 28.27\text{cm}^2 + 28.27\text{cm}^2 + 150.72\text{cm}^2$$

$$SA = 207.26\text{cm}^2$$

$$A = \pi r^2$$

$$A = (3.14)(3)^2$$

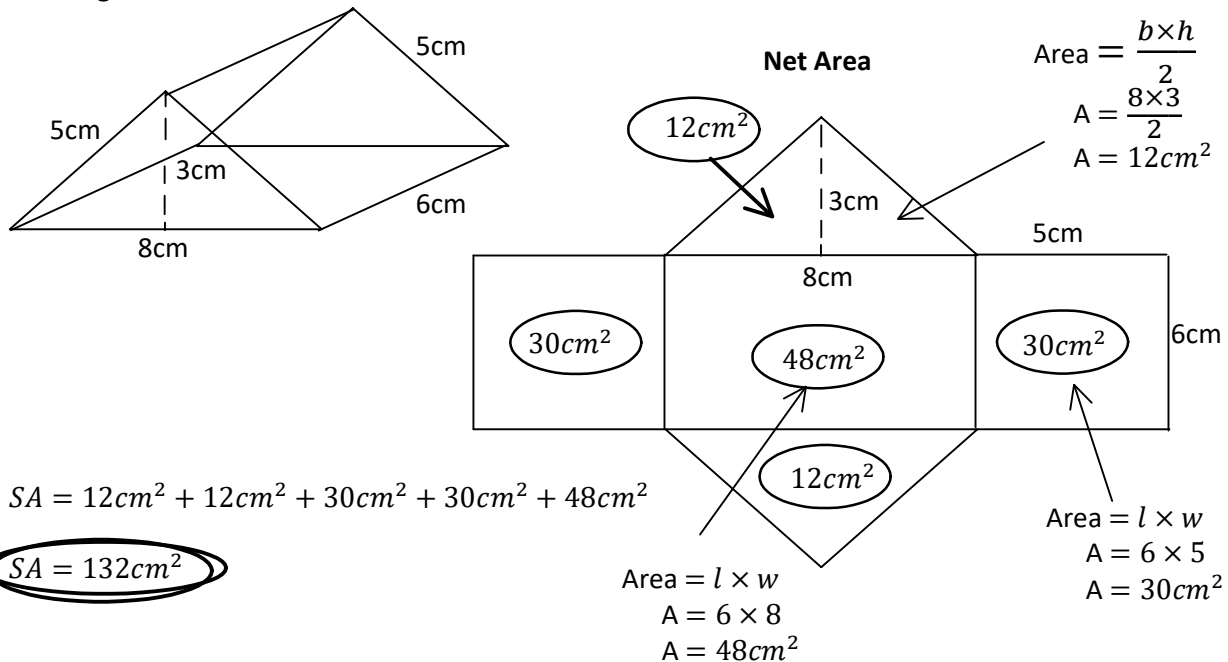
$$A = 28.27\text{cm}^2$$

In terms of π

$$SA = 66\pi\text{cm}^2$$

Notice: the width of the rectangle is the circumference of the circle.

Triangular Prism



$$SA = 12\text{cm}^2 + 12\text{cm}^2 + 30\text{cm}^2 + 30\text{cm}^2 + 48\text{cm}^2$$

$$SA = 132\text{cm}^2$$

Notice: the front and back are the same, and sides are the same.