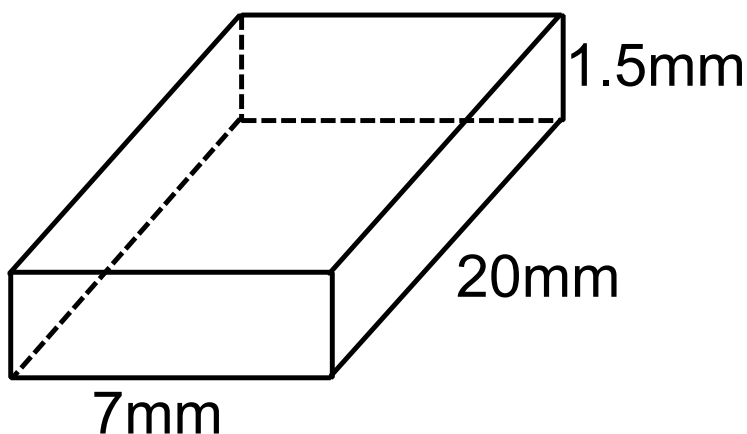


HW: Worksheet/11-13, 15, 17

Warm up:

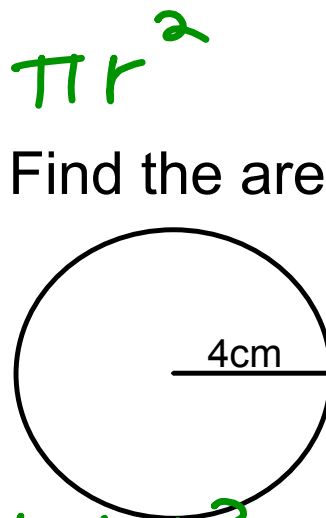
1) Find the surface area.



$$\begin{aligned}
 7 \cdot 1.5 &= 10.5 \\
 20 \cdot 1.5 &= 30 \\
 7 \cdot 20 &= 140
 \end{aligned}$$

$$361 \text{ mm}^2$$

2) Find the area.



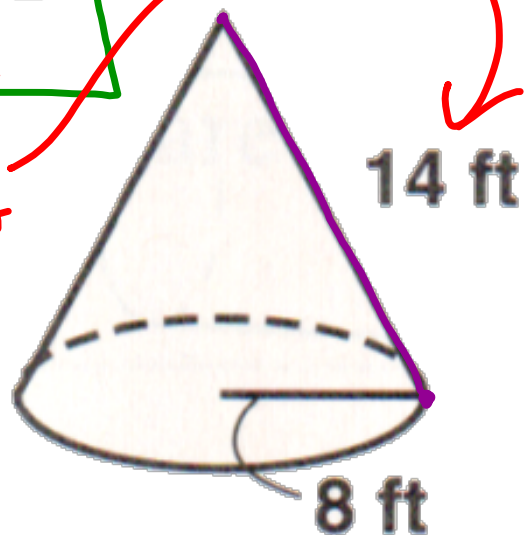
$$\begin{aligned}
 &\pi r^2 \\
 &3.14(4)^2 \\
 &50.24 \text{ cm}^2
 \end{aligned}$$

$$S.A. = \pi r l + \pi r^2$$

slant height

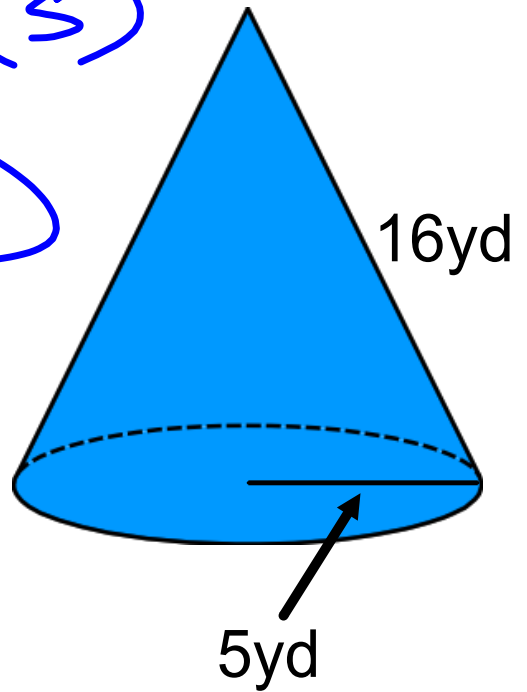
$$3.14(8)(14) + 3.14(8)^2$$

$$552.64 \text{ ft}^2$$



$$3.14(5)(16) + 3.14(5)^2$$

$$329.7 \text{ yd}^2$$



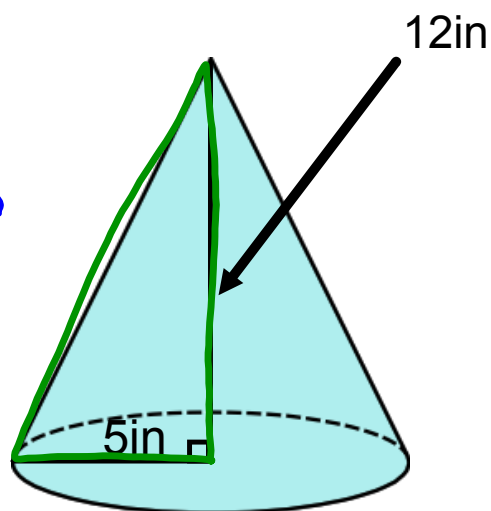
$$5^2 + 12^2 = x^2$$

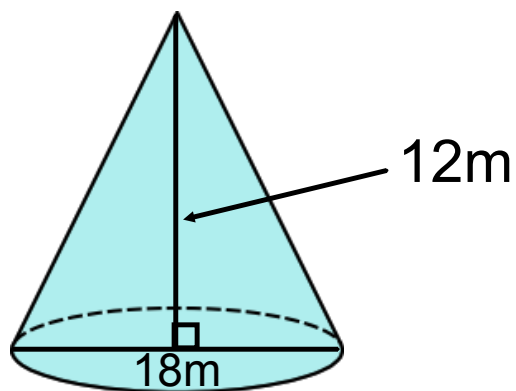
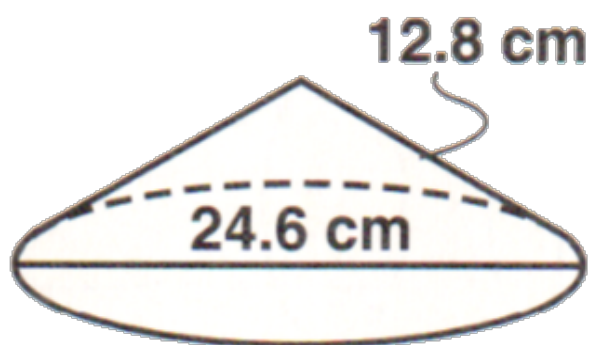
$$\frac{25 + 144}{\sqrt{169} = \sqrt{x^2}}$$

$$13 = x$$

$$3.14(5)(13) + 3.14(5)^2$$

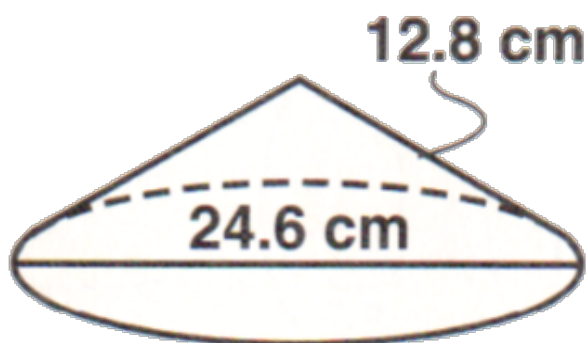
$$282.6 \text{ in}^2$$



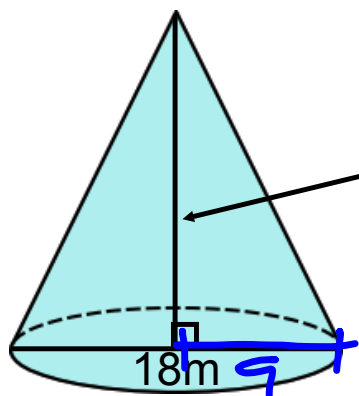




$$3.14(4.2)(10.6) + 3.14(4.2)^2$$
$$195.18 \text{ ft}^2$$



$$3.14(12.3)(12.8) + 3.14(12.3)^2$$
$$969.41 \text{ cm}^2$$



$$9^2 + 12^2 = x^2$$
$$81 + 144$$
$$\sqrt{225} = \sqrt{x^2}$$
$$15 = x$$

$$3.14(9)(15) + 3.14(9)^2$$
$$678.24 \text{ m}^2$$

