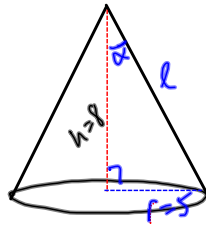


Cone $h=8\text{cm}$
 $r=5\text{cm}$

Make a net?

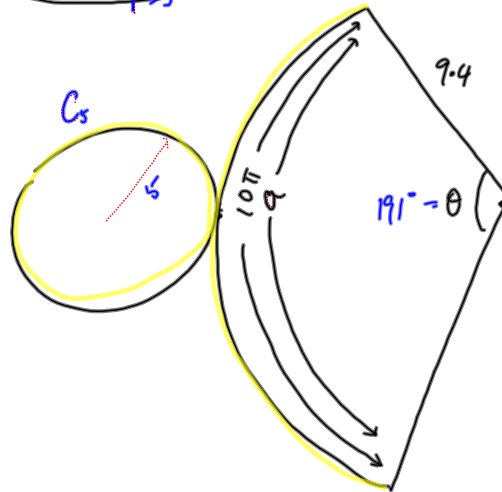
Sketch
Cone



$$l^2 = 8^2 + 5^2 = 64 + 25$$

$$l = \sqrt{89} = 9.4 \text{ cm}$$

Sketch
net



$$C = 2\pi r$$

$$C_s = 2\pi(5)$$

$$C_s = 10\pi$$

$$a = \frac{\theta}{360} (2\pi r)$$

$$10\pi = \frac{\theta}{360} (2\pi(9.4))$$

$$\theta = 191^\circ$$

$h=8$
 $r=5$
 $\theta=191^\circ$
 $l=9.4$

