16.3

1) (a) $l = \alpha\, r = \left(32^\circ \cdot \frac{\pi}{180^\circ}\right) \cdot 15 = \frac{8\,\pi}{45} \cdot 15 = \frac{8\,\pi}{3} \approx 8{,}37$ cm

   (b) $l = \alpha\, r = 2 \cdot 7 = 14$ cm

2) (a) $r = \dfrac{l}{\alpha} = \dfrac{3}{\left(1^\circ \cdot \frac{\pi}{180^\circ}\right)} = \dfrac{540}{\pi} \approx 171{,}89$ mm

   (b) $r = \dfrac{l}{\alpha} = \dfrac{0{,}05}{\left(0{,}03^\circ \cdot \frac{\pi}{180^\circ}\right)} = \dfrac{300}{\pi} \approx 95{,}49$ mm