

**85** To convert degrees to radians we use  $\theta^{\circ} \left( \frac{\pi}{180^{\circ}} \right)$ . So the modified formula is  $s = r \left[ \theta \left( \frac{\pi}{180^{\circ}} \right) \right] = r \theta \left( \frac{\pi}{180^{\circ}} \right)$ .

The radian measure formula is simpler.