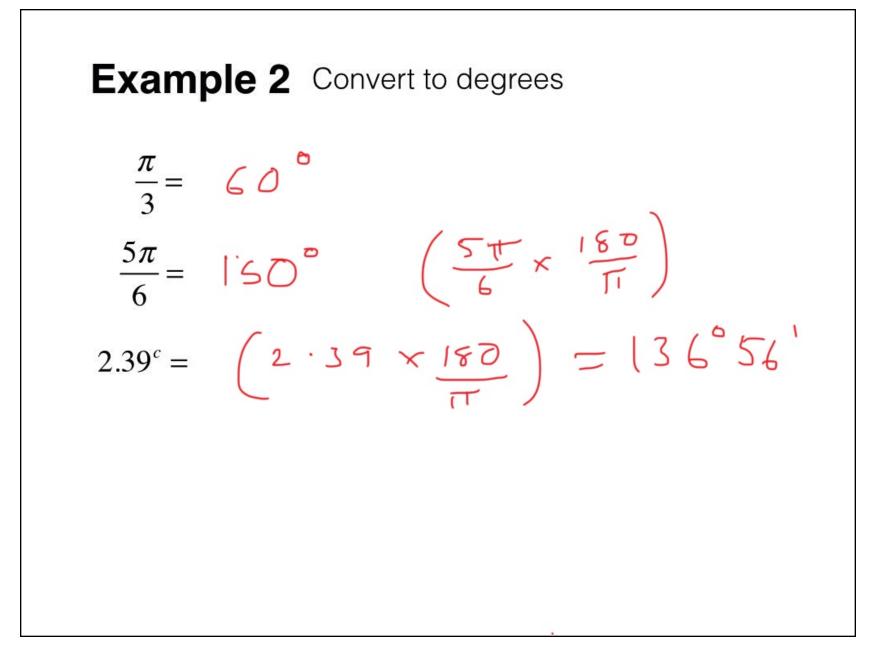
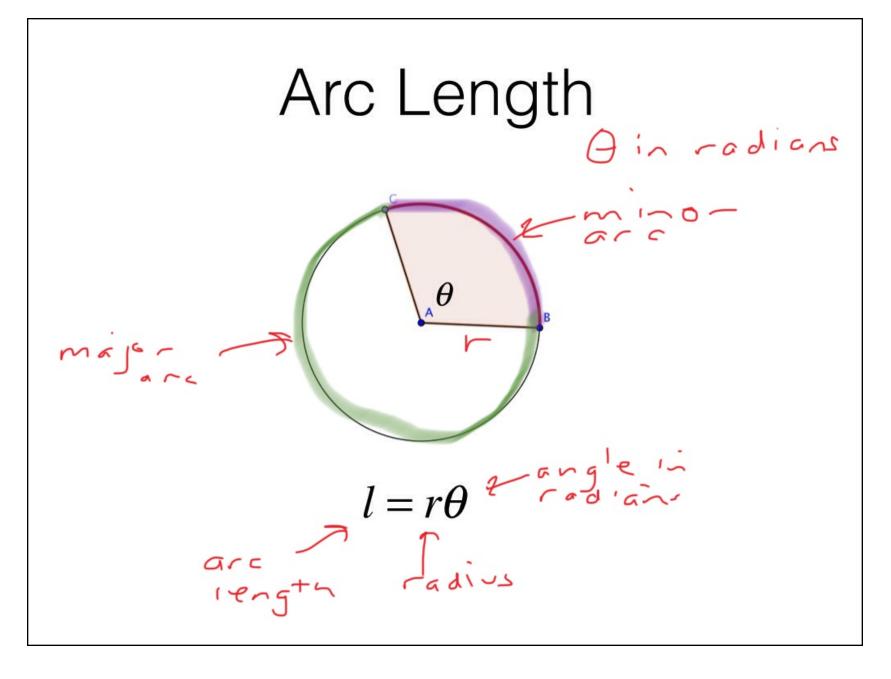


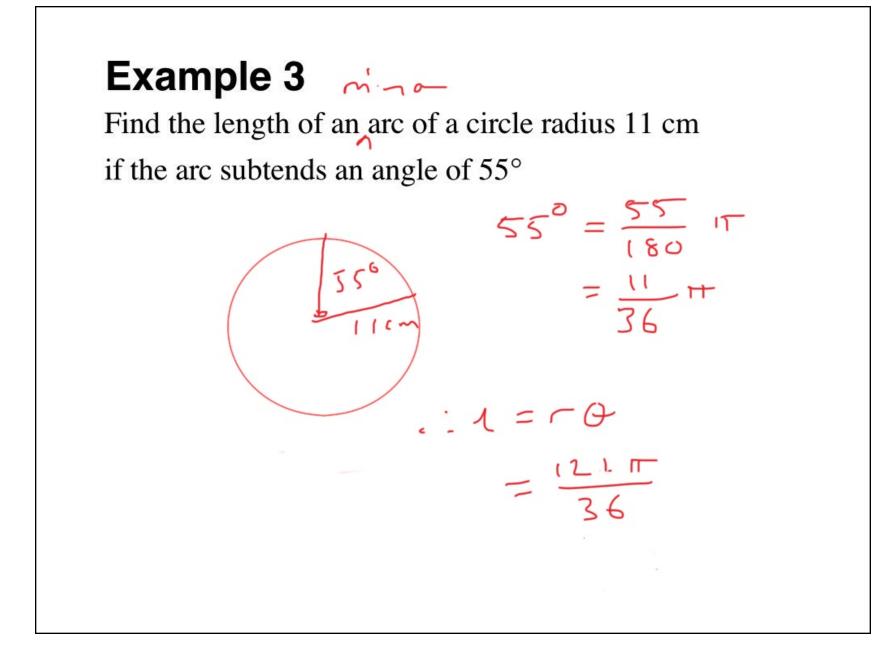
Example 1 Convert to Radians

$$45^{\circ} = \frac{1}{4}$$

 $110^{\circ} = \frac{10}{80} \times \pi = \frac{11\pi}{8}$
 $93^{\circ}25' = 1.63^{\circ}$

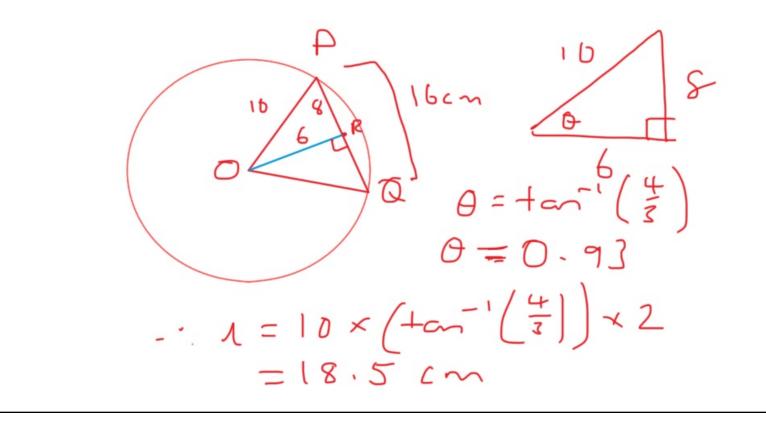


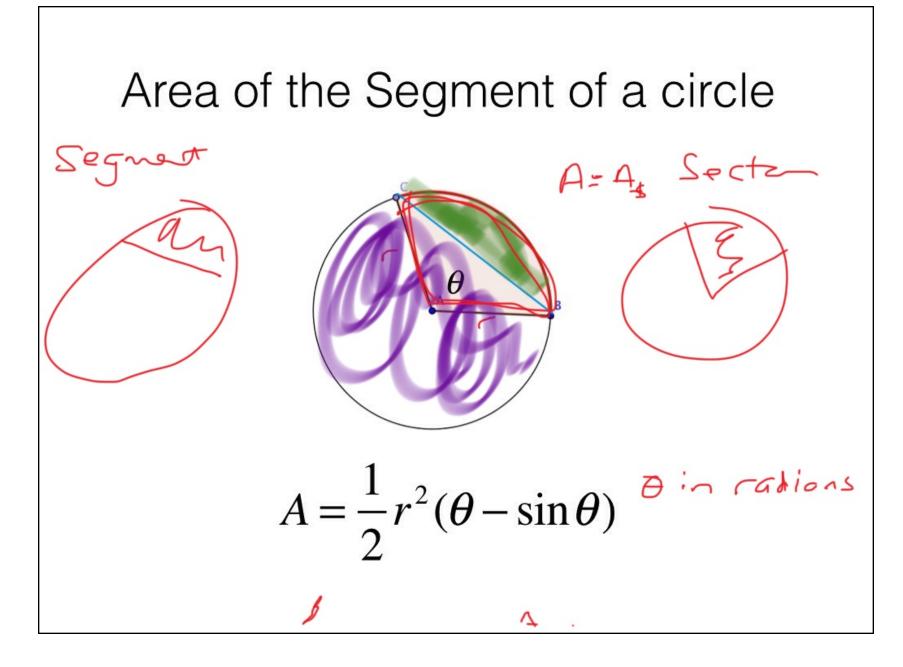




Example 4

A chord PQ 16 cm long is 5 cm from the centre of a circle Find the length of the chord PQ





Example 5

AD and BC are arcs of concentric circles with centre O

If OA = AB and OD = 5 units, and angle $AOD = \frac{\pi}{10}$, find

i) The area of ABCD to 3 sig. figures

ii) The perimeter of ABCD to 3 sig. figures

