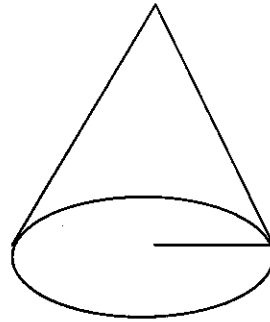


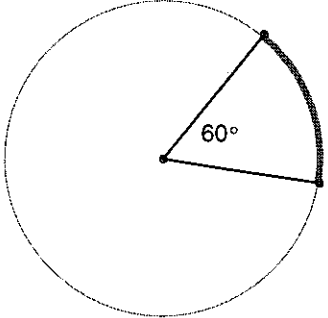
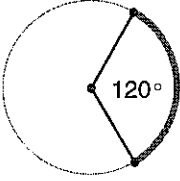
Finding the Surface area of a Cone

Given a circular cone with a base radius of 6 cm.



Circumference of the circle of the base _____

Lateral Surface	Central Angle	Length of Arc = Circumference of base circle	Circumference Of New Circle	Diameter of new circle	Radius of new circle	Area of shaded region part $\cdot \pi \cdot (\text{radius of new circle})^2$ Leave your answer as factors

Lateral Surface	Central Angle	Length of Arc = Circumference of base circle	Circumference Of New Circle	Diameter of new circle	Radius of new circle	Area of shaded region part $\cdot \pi \cdot (\text{radius of new circle})^2$ Leave your answer as factors
						
						
<p>Look at the four solutions that you have. Try writing a formula for finding the lateral surface area of a right circular cone knowing the radius of the base and the slant height of the cone.</p>						