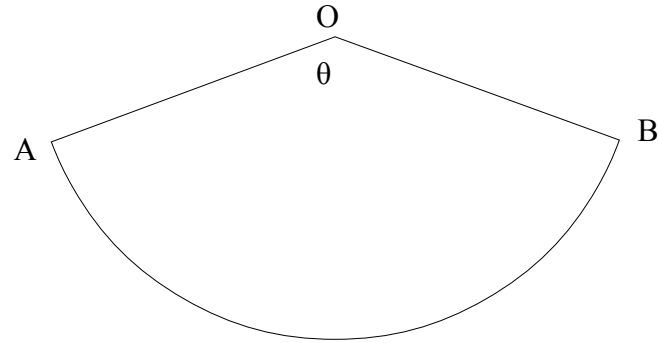
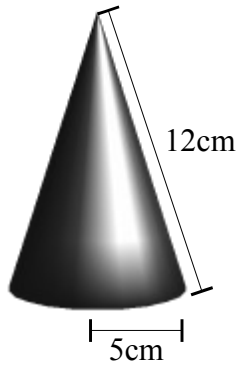


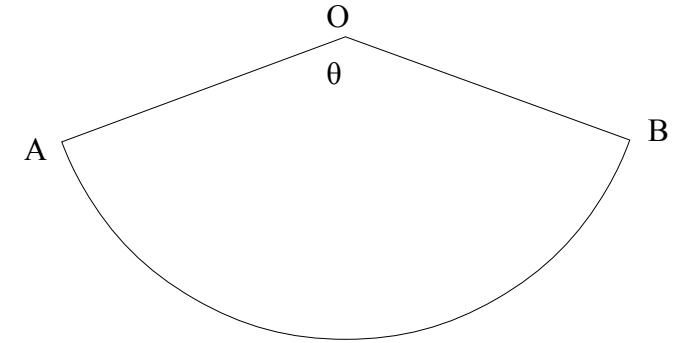
Curved Surface Area of a Cone



- 1) The cone on the left above is opened up to form the sector on the right.
 - (a) Find the circumference of the base of the cone
 - (b) On the sector, what is the length of (i) the radius OA, (ii) the arc AB
 - (c) Using your answers to (b), find the angle θ .
 - (d) Find the area of the sector.

2) Repeat question 1, but use r for the radius of the base and l for the slant height of the cone.

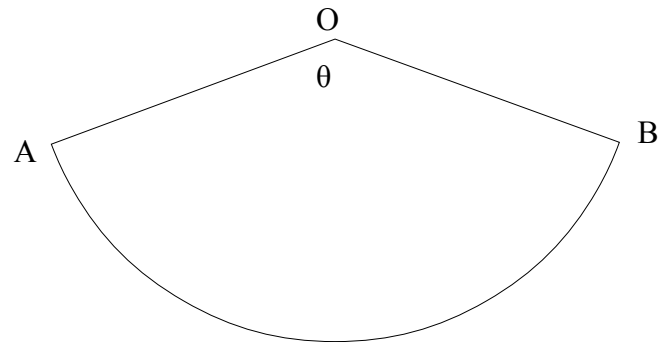
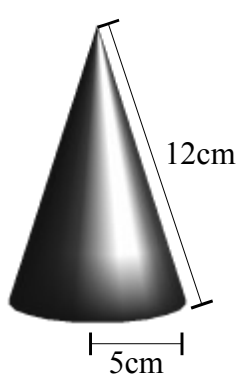
Curved Surface Area of a Cone



- 1) The cone on the left above is opened up to form the sector on the right.
 - (a) Find the circumference of the base of the cone
 - (b) On the sector, what is the length of (i) the radius OA, (ii) the arc AB
 - (c) Using your answers to (b), find the angle θ .
 - (d) Find the area of the sector.

2) Repeat question 1, but use r for the radius of the base and l for the slant height of the cone.

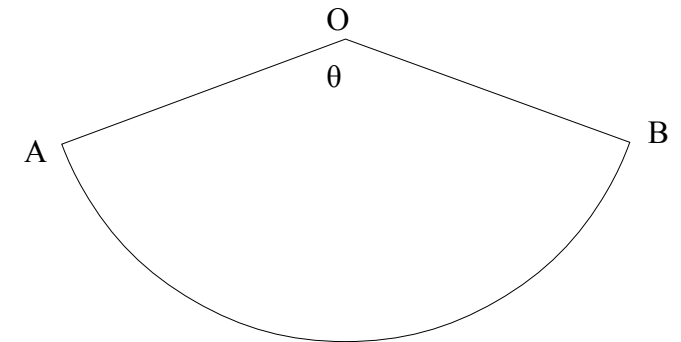
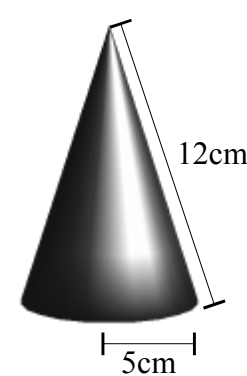
Curved Surface Area of a Cone



- 1) The cone on the left above is opened up to form the sector on the right.
 - (a) Find the circumference of the base of the cone
 - (b) On the sector, what is the length of (i) the radius OA, (ii) the arc AB
 - (c) Using your answers to (b), find the angle θ .
 - (d) Find the area of the sector.

2) Repeat question 1, but use r for the radius of the base and l for the slant height of the cone.

Curved Surface Area of a Cone



- 1) The cone on the left above is opened up to form the sector on the right.
 - (a) Find the circumference of the base of the cone
 - (b) On the sector, what is the length of (i) the radius OA, (ii) the arc AB
 - (c) Using your answers to (b), find the angle θ .
 - (d) Find the area of the sector.

2) Repeat question 1, but use r for the radius of the base and l for the slant height of the cone.