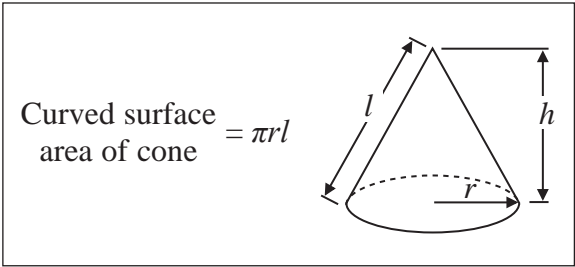
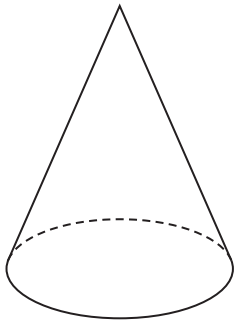


19 The diagram shows a cone.



The radius of the base of the cone is  $\frac{3}{4}$  of the height of the cone.

The total surface area of the cone is  $54\pi\text{cm}^2$

Work out the height of the cone.

..... cm