

4th May



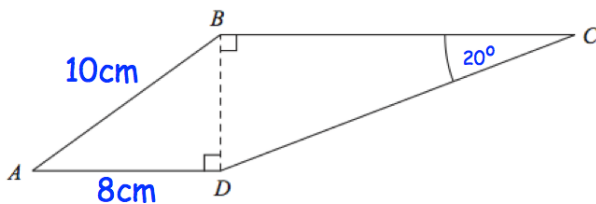
Corbettmaths

Make v the subject

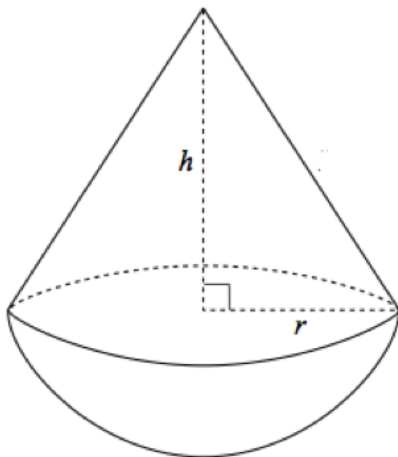
$$E = \frac{1}{2}mv^2$$

Simplify fully

$$\sqrt{5} \times \sqrt{15}$$



Find BC



The diagram shows a solid made up of a cone and a hemisphere.

The radius of the cone is 3cm.
The height of the cone is 10cm.

Calculate the volume of the solid.