Corbettmaths
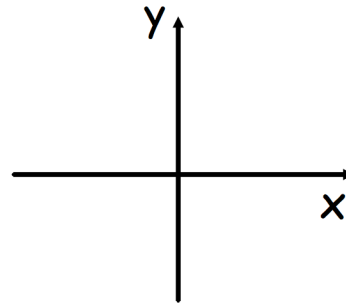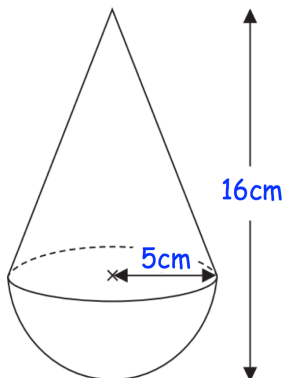
Sketch $y = x^3 - 2$

Line L₁ is parallel to $5x - 7y = 31$ and passes through the point (4, 16)

Find the coordinates of the point where L₁ intersects the x-axis.

Find the volume of the solid

16cm

5cm

Shown above is a solid made from a cone and a hemisphere.

The solid is made from a material with density 3.4g/cm³

Find the mass of the solid

$f(x) = x^2 + 2$

$g(x) = 5 - x$

Arrange in order

$fg(3) \quad gf(3) \quad ff(3) \quad gg(3)$