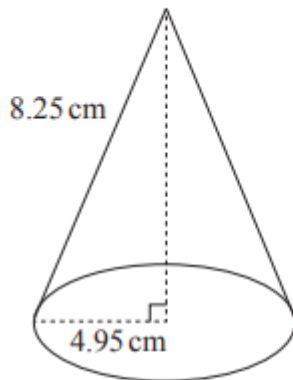


MA = 10 days to go!

16 A cone has a slant height of 8.25 cm and a radius of 4.95 cm.



Calculate the vertical height of the cone.

Answer _____ cm [3]

9 The line L has equation $y = -3x - 6$

This line crosses the y axis at the point A and the x axis at the point B.

(a) Write down the co-ordinates of A.

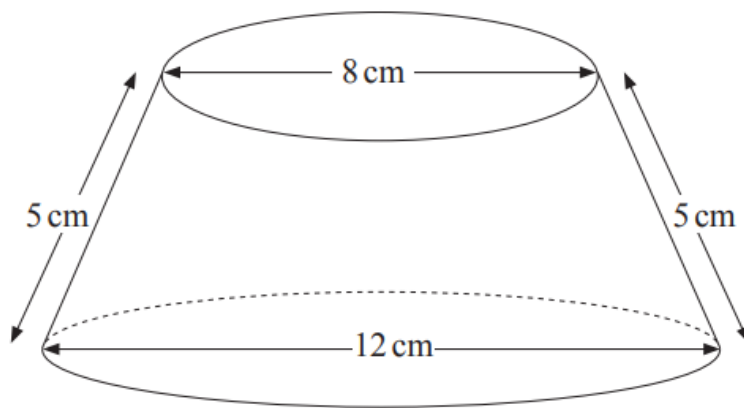
Answer (_____ , _____) [1]

(b) Find the equation of the line perpendicular to L which passes through the point B.

Answer _____ [4]

16 The frustum of the cone shown below has slant height 5 cm.

The diameter of the base is 12 cm and the diameter of the top is 8 cm.



Work out the volume of the frustum shown.