

21st May

Corbettmaths

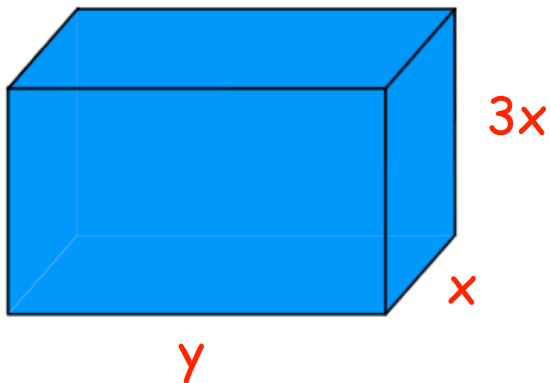
Make h the subject of

$$m = 20 + (h - 7)^2$$

AB is a diameter of a circle C.
Q is the centre of the circle
A has coordinates $(-7, 14)$ and B has coordinates $(3, 2)$

Find the centre of the circle, Q

Find the equation of C



Show that the volume of the cuboid is

$$V = 90x - \frac{9}{4}x^3$$

The surface area of the cuboid is 240cm^2 Use differentiation to find the value of x for which V is a maximum