

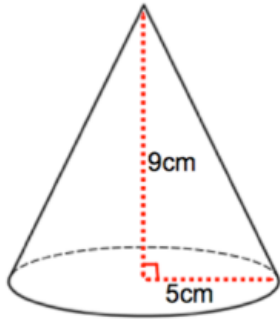
12th July



Corbettmaths

Factorise fully.

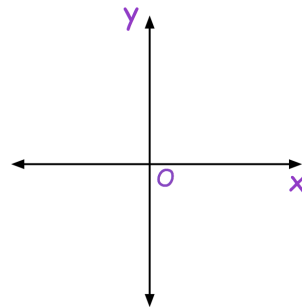
$$36a^2 - 4y^2$$



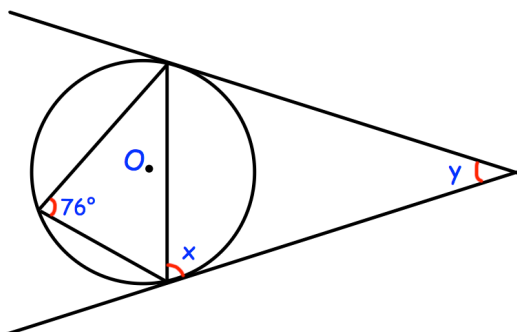
A cube has the same volume as the cone shown.
Find the side length of the cube.

Sketch

$$y = \frac{4}{x}$$



An online retailer normally sells clothes at 50% more than the cost price.
In a sale the price of all clothes are reduced until they are only 5% more than the cost price.
By what percentage of the original selling price have the price of the clothes been reduced?



Find x and y