

14th March



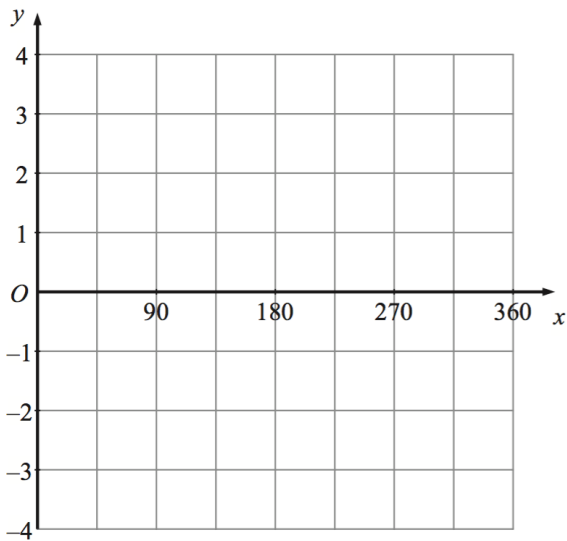
Corbettmaths

Solve the simultaneous equations

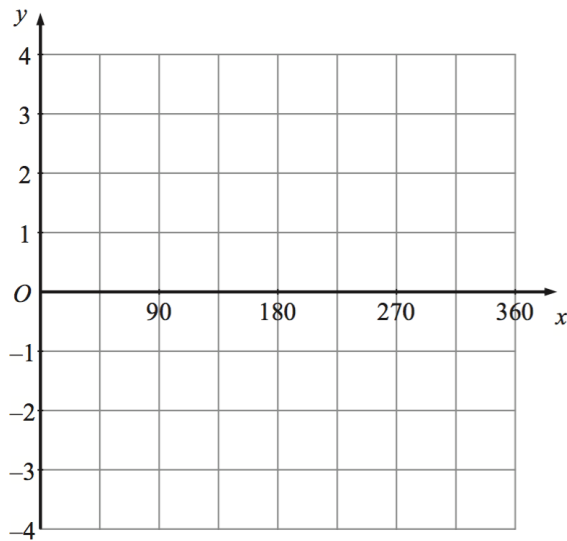
$$x^2 + y^2 = 10$$

$$x - y - 2 = 0$$

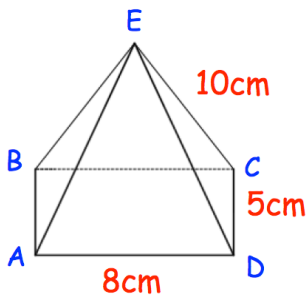
Sketch $y = 2 + \sin x$



Sketch $y = 1 - \cos x$



Prove algebraically that the sum of the squares of two odd integers is always even.



Calculate the volume of the pyramid.