

25th July



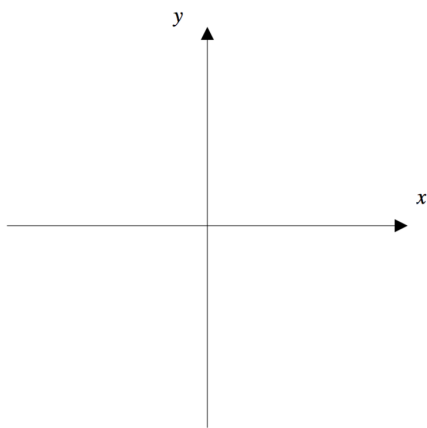
Corbettmaths

Make f the subject of

$$x = \frac{2f - 3}{f - 1}$$

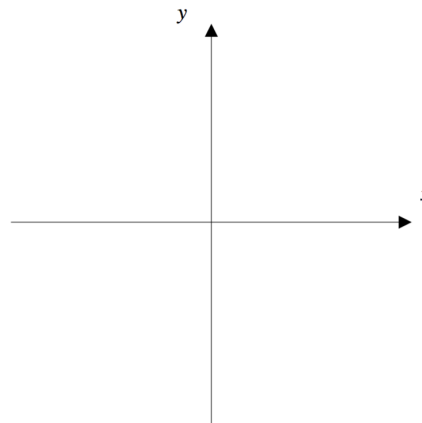
Sketch

$$y = \frac{1}{x}$$



Sketch

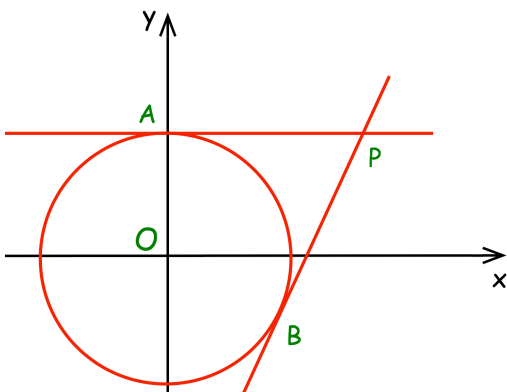
$$y = 4^x$$



The circle $x^2 + y^2 = 25$ has tangents at the points A and B.

The point A has coordinates (0, 5)

The point B has coordinates (3, -4)



The tangents meet at the point P.

Work out the coordinates of the point P.