Name: _____ 5-a-day Further Maths

29th April

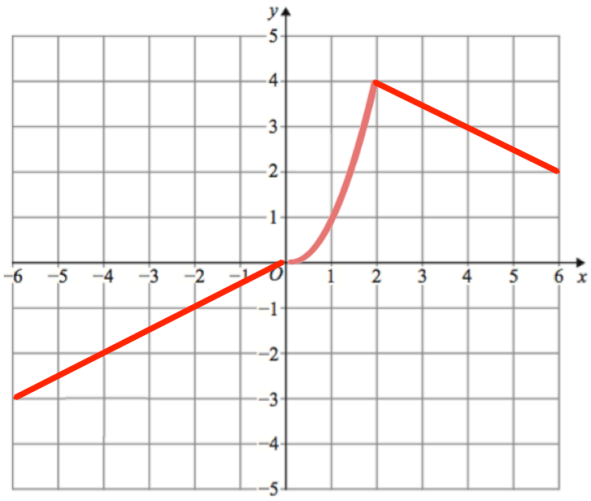
Corbettmaths

$f(x) = (x+5)^3$

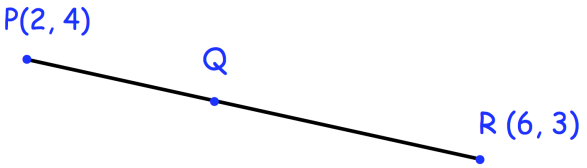
Work out the value of

$f^{-1}(-27)$

Here is a graph of y = f(x)
It consists of a quadratic curve and two straight lines.



Define f(x)



QR is 25% longer that PQ
Work out the coordinates of Q.

Find the centre and radius of the circle with equation

$x^2 + y^2 = 18x$