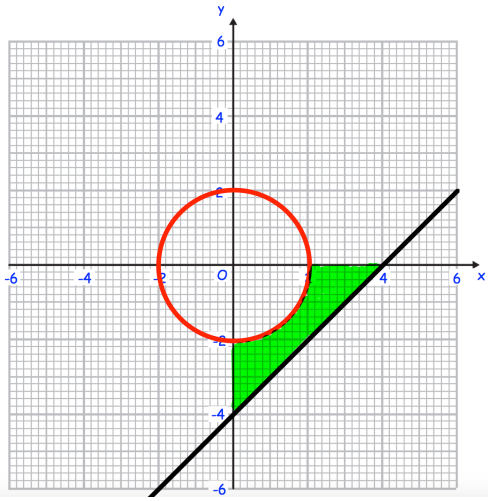
Name: _____ 5-a-day Further Maths

20th April

Corbettmaths

The circle below has equation
$x^2 + y^2 = 4$

The line has equation $y = x - 4$



Find the perimeter of the shaded region.

Given that $sin\theta = \frac{15}{17}$

Work out the **two** possible values of $cos\theta$

x : y = 2 : 9

y : z = 4 : 1

Write z in terms of x

$f(x) = x^2 - 4x$ for all values of x

State the range of $f(2x)$