Name: _____ 5-a-day Core 1

1st Dec

Corbettmaths

Solve

$$x - 3 = \frac{10}{x}$$

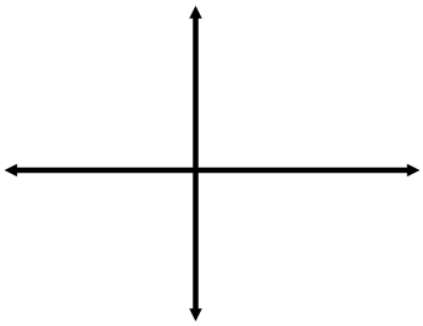
Solve

$y - x + 2 = 0$
$x^2 = -y$

Sketch

$y = (3 - x)(x - 1)^2$

Showing any coordinates where the curve meets the axes.



The second term of an arithmetic sequence is 18 and the common difference is –2.5.

Find the value of the 30th term.

Find the equation of the normal to the curve $y = x^2 + x + 1$ at the point (3, 13)