3rd March

Corbettmaths

Solve the simultaneous equations

2x + y = 7
3x − y = 8   *add*

$5x \quad = 15$
$\quad x = 3$

$6 + y = 7$
$y = 1$

$x = 3 , y = 1$

Factorise x² − x − 12

$(x - 4)(x + 3)$

Write 5.2×10^{-4}
as an ordinary number

0.00052

Find the nth term of

90 80 70 60 ... ...

$-10n + 100$
  or $100 - 10n$

Find the 100th term.

$100 - 10 \times 100$
$100 - 1000$
$= -900$

Solve:

3(4x − 9) = 2x + 30

$12x - 27 = 2x + 30$
$10x - 27 = 30$
$10x = 57$

$x = 5.7$