ACCESS MATHS

Solve: $5x + 2y = 19$
$3x + 3y = 15$

Same Signs Subtract and Different Signs Add

Make the second variable the same

(1) $5x + 2y = 19$ x3
(2) $3x + 3y = 15$ x2

(3) $15x + 6y = 57$
(4) $6x + 6y = 30$

(3) - (4) $9x = 27$
$\div 9$ $\div 9$
$x = 3$

Sub $x = 3$ into equation (2)

$3x + 3y = 15$

$9 + 3y = 15$

Solve to find y

$3y = 6$

$y = 2$

$x = 3, y = 2$

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