## Rally Coach - Solve Quadratic Equations by Factorising

A B $x^{2} + 10x + 16 = 0$ $x^{2} + 11x + 24 = 0$ $x^{2} - 5x + 4 = 0$ $x^{2} - 5x + 4 = 0$ $x^{2} - 3x - 10 = 0$ $x^{2} - 3x - 10 = 0$ $2x^{2} + 5x + 2 = 0$ $2x^{2} + 7x + 6 = 0$		
$x^{2} - 5x + 4 = 0$ $x^{2} - 8x + 7 = 0$ $x^{2} - 3x - 10 = 0$		
$x^2 + 2x - 35 = 0   x^2 - 3x - 10 = 0$	$x^2 + 10x + 16 = 0$	$x^2 + 11x + 24 = 0$
$x^2 + 2x - 35 = 0   x^2 - 3x - 10 = 0$		
$x^2 + 2x - 35 = 0   x^2 - 3x - 10 = 0$		
$x^2 + 2x - 35 = 0   x^2 - 3x - 10 = 0$		
$x^2 + 2x - 35 = 0   x^2 - 3x - 10 = 0$		
$x^2 + 2x - 35 = 0   x^2 - 3x - 10 = 0$		
$x^2 + 2x - 35 = 0   x^2 - 3x - 10 = 0$	$x^2 - 5x + 4 = 0$	$x^2 - 8x + 7 = 0$
$2x^2 + 5x + 2 = 0$ $2x^2 + 7x + 6 = 0$	$x^2 + 2x - 35 = 0$	$x^2 - 3x - 10 = 0$
$2x^2 + 5x + 2 = 0$ $2x^2 + 7x + 6 = 0$		
$2x^2 + 5x + 2 = 0$ $2x^2 + 7x + 6 = 0$		
$2x^2 + 5x + 2 = 0$ $2x^2 + 7x + 6 = 0$		
$2x^2 + 5x + 2 = 0$ $2x^2 + 7x + 6 = 0$		
$2x^2 + 5x + 2 = 0$ $2x^2 + 7x + 6 = 0$		
	$2x^2 + 5x + 2 = 0$	$2x^2 + 7x + 6 = 0$
© NorledgeMaths		

## Answers

Α	В
$x^2 + 10x + 16 = 0$	$x^2 + 11x + 24 = 0$
(x + 8)(x + 2) = 0	(x + 8)(x + 3) = 0
x = -8 $x = -2$	x = -8 $x = -3$
$x^2 - 5x + 4 = 0$	$x^2 - 8x + 7 = 0$
(x-4)(x-1) = 0	(x - 7)(x - 1) = 0
$   \begin{aligned}     x &= 4 \\     x &= 1   \end{aligned} $	$   \begin{array}{c}                                     $
$x^2 + 2x - 35 = 0$	$x^2 - 3x - 10 = 0$
(x + 7)(x - 5) = 0	(x-5)(x+2)=0
x = -7 $x = 5$	x = 5 $x = -2$
$2x^2 + 5x + 2 = 0$	$2x^2 + 7x + 6 = 0$
(2x + 1)(x + 2) = 0	(2x + 3)(x + 2) = 0
x = -1/2 $x = -2$	x = -3/2 $x = -2$