



Air maths tuition

Interact, engage and perform

Factorising : Quadratic (trinomial) Expressions

$$5x^2 - 14x - 3 \equiv 5x^2 - 15x + 1x - 3$$

$$\equiv 5x(x-3) + 1(x-3)$$

$$\equiv (x-3)(5x+1)$$

$$? \times ? = 5 \times -3 = -15$$

$$? + ? = -14$$

$$? = -15 \quad ? = 1$$

$$2x^2 - 7x + 6 \equiv 2x^2 - 4x - 3x + 6$$

$$\equiv 2x(x-2) - 3(x-2)$$

$$\equiv (x-2)(2x-3)$$

$$? \times ? = 2 \times 6 = 12$$

$$? + ? = -7$$

$$? = -4, \quad ? = -3$$

With the acknowledgement of [Exam Solutions](#).
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Exam Solutions

maths made easy