

Factorising quadratic expressions (Part 2)

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Name: _____

Factorising quadratics with coefficients of x^2 greater than 1



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Factorise the following

a) $2x^2 + 14x + 12$

f) $2x^2 + 5x + 3$

b) $2x^2 + 18x + 28$

g) $4x^2 + 29x + 7$

c) $5x^2 - 15x - 50$

h) $3x^2 - 5x - 2$


d) $7x^2 + 42x + 35$

i) $6x^2 - 5x - 6$

Solve:

a) $4x^2 + 14x + 27 = 2x^2 + x + 7$

b) $14x^2 + 18x + 12 = 4x^2 + 9x + 10$

 Exam question:

Solve $4x^2 + 17x = -4$

