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

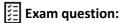
d) 
$$7x^2 + 42x + 35$$

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

Solve:

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

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



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

