

Name:

Class/Set:

# Factorising Quadratics, a>1

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1: Factorise the following:

a)  $12u^2 + 5u - 3$

b)  $50g^2 - 15g - 2$

c)  $12w^2 - 20w + 3$

d)  $6t^2 + 19t + 10$

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e)  $5r^2 - 29r - 6$

f)  $5a^2 + 48a - 20$

g)  $12m^2 + 32m + 5$

h)  $18b^2 - 11b + 1$

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i)  $40n^2 - 3n - 1$

j)  $8v^2 + 14v + 3$

k)  $9y^2 - 46y + 5$

l)  $7c^2 - 27c - 4$

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# Answers: Factorising Quadratics, a>1

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- 1:    a)  $(4u + 3)(3u - 1)$                           b)  $(5g - 2)(10g + 1)$                           c)  $(6w - 1)(2w - 3)$   
d)  $(3t + 2)(2t + 5)$                                   e)  $(r - 6)(5r + 1)$                                   f)  $(a + 10)(5a - 2)$   
g)  $(2m + 5)(6m + 1)$                                   h)  $(9b - 1)(2b - 1)$                                   i)  $(5n - 1)(8n + 1)$   
j)  $(2v + 3)(4v + 1)$                                   k)  $(y - 5)(9y - 1)$                                   l)  $(c - 4)(7c + 1)$