

Name:

Class/Set:

# Solving Quadratics - Factorising 2

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1: Solve by factorising:

a)  $7v^2 - 48v - 7 = 0$

b)  $9h^2 - 15h + 4 = 0$

c)  $25x^2 + 10x + 1 = 0$

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\_\_\_\_\_

\_\_\_\_\_

d)  $9f^2 - 73f + 8 = 0$

e)  $2q^2 - 3q - 2 = 0$

f)  $30y^2 + 17y + 2 = 0$

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g)  $2k^2 + 7k - 15 = 0$

h)  $12w^2 + 32w + 5 = 0$

i)  $56j^2 - 15j + 1 = 0$

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# Answers: Solving Quadratics - Factorising 2

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1: a)  $v = 7, v = -\frac{1}{7}$

b)  $h = \frac{1}{3}, h = 1\frac{1}{3}$

c)  $x = -\frac{1}{5}, x = -\frac{1}{5}$

d)  $f = 8, f = \frac{1}{9}$

e)  $q = 2, q = -\frac{1}{2}$

f)  $y = -\frac{1}{6}, y = -\frac{2}{5}$

g)  $k = -5, k = 1\frac{1}{2}$

h)  $w = -2\frac{1}{2}, w = -\frac{1}{6}$

i)  $j = \frac{1}{7}, j = \frac{1}{8}$