

Name:

Class/Set:

Solving Quadratics - Factorising

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1: Solve by factorising:

a) $(v - 2)(v - 4) = 0$

b) $(h - 6)(h + 7) = 0$

2: Solve by factorising:

a) $x(x + 2) = 0$

b) $f(f - 5) = 0$

3: Solve by factorising:

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

b) $y^2 + y = 0$

4: Solve by factorising:

a) $k^2 + 8k + 7 = 0$

b) $w^2 + 16w + 60 = 0$

5: Solve by factorising:

a) $j^2 - 8j + 12 = 0$

b) $s^2 - 17s + 70 = 0$

6: Solve by factorising:

a) $c^2 - 4c - 5 = 0$

b) $h^2 + 6h - 40 = 0$

7: Solve by factorising:

a) $x^2 + 8x + 16 = 0$

b) $q^2 - 20q + 100 = 0$

8: Solve by factorising:

a) $f^2 - 64 = 0$

b) $b^2 - 9 = 0$

Answers: Solving Quadratics - Factorising

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1: a) $v = 2, v = 4$

b) $h = 6, h = -7$

2: a) $x = 0, x = -2$

b) $f = 0, f = 5$

3: a) $q = 0, q = 3$

b) $y = 0, y = -1$

4: a) $k = -1, k = -7$

b) $w = -6, w = -10$

5: a) $j = 2, j = 6$

b) $s = 7, s = 10$

6: a) $c = -1, c = 5$

b) $h = 4, h = -10$

7: a) $x = -4$

b) $q = 10$

8: a) $f = -8, f = 8$

b) $b = -3, b = 3$