

answer key

Name : _____ Date : _____

Solve Quadratics by Factoring

Find all possible values of the given variable.

1) $(q - 10)(q - 1) = 0$

$$q = \{ 10, 1 \}$$

6) $(2q + 6)(q - 8) = 0$

$$q = \{ -3, 8 \}$$

2) $(k + 2)(5k + 9) = 0$

$$k = \{ -2, -\frac{9}{5} \}$$

7) $(g - 5)(2g - 6) = 0$

$$g = \{ 5, 3 \}$$

3) $(r + 8)(3r + 2) = 0$

$$r = \{ -8, -\frac{2}{3} \}$$

8) $(3n + 2)(n - 11) = 0$

$$n = \{ -\frac{2}{3}, 11 \}$$

4) $(q - 9)(2q - 11) = 0$

$$q = \{ 9, \frac{11}{2} \}$$

9) $(4q + 3)(6q + 4) = 0$

$$q = \{ -\frac{3}{4}, -\frac{2}{3} \}$$

5) $(3q - 4)(5q - 6) = 0$

$$q = \{ \frac{4}{3}, \frac{6}{5} \}$$

10) $(4d - 10)(5d + 12) = 0$

$$d = \{ \frac{5}{2}, -\frac{12}{5} \}$$

Csi Algebra Factoring Quadratic Lesson Key

Suzanne Bower



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