



**Solve the quadratics using
the quadratic Formula**

Videos Required:

Video 23

1) $18s^2 - 51s = 84$

$$s = \left\{ 4, \frac{-7}{6} \right\}$$

6) $k^2 - 11k + 10 = 0$

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

2) $x^2 - 13x = -42$

$$x = \{ 7, 6 \}$$

7) $8b^2 - 12b - 1 = 19$

$$b = \left\{ -1, \frac{5}{2} \right\}$$

3) $q^2 - 10q + 3 = -6$

$$q = \{ 9, 1 \}$$

8) $6h^2 - 19h - 11 = 0$

$$h = \left\{ \frac{-1}{2}, \frac{11}{3} \right\}$$

4) $z^2 - 5z = -6$

$$z = \{ 3, 2 \}$$

9) $g^2 + 4g + 2 = -1$

$$g = \{ -3, -1 \}$$

5) $6s^2 + 29s + 30 = 0$

$$s = \left\{ \frac{-10}{3}, \frac{-3}{2} \right\}$$

10) $12d^2 - 8d = 55$

$$d = \left\{ \frac{5}{2}, \frac{-11}{6} \right\}$$