

Solve the quadratic equation.

1) $m^2 + 10m + 8 = (m + 6)(m + 2)$

2) $\sqrt{x + 1} = 2 - \sqrt{x}$

3) $(t + 5)(t - 5) = 0$

4) $\frac{w-2}{5} = 4$

5) $4x^2 + 19x - 5 = 0$

6) $a^2 + 5a + 4 = 0$

7) $3x^2 + 6 = 0$

8) $x^2 - 4 = 0$

9) $12m^2 + 7m - 12 = 0$

10) $(3x + 5)(x - 1) = 0$

Answer Key

1) $m = 2$

2) $x = \frac{9}{16}$

3) $t = \pm 5$

4) $w = 22$

5) $x = \frac{1}{4}, -5$

6) $a = -1, -4$

7) $x = 0, -2$

8) $x = \pm 2$

9) $m = \frac{3}{4}, \frac{-4}{3}$

10) $x = -1, \frac{-5}{3}$