

Completing the Square

Solve each quadratic equation by completing the square.

1) $x^2 + 5x + 4 = 0$

2) $y^2 - 9y = -18$

3) $-3t + t^2 = 10$

4) $9u = u^2 + 14$

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

6) $v^2 + 4v - 12 = 0$

7) $m(m - 7) = -6$

8) $q^2 - 3q = 4$

9) $n^2 = n + 20$

10) $p^2 - 19 = 18p$