

**Find the value that completes the square and then rewrite as a perfect square.**

1)  $m^2 - 10m + \underline{\hspace{2cm}}$

2)  $x^2 + 32x + \underline{\hspace{2cm}}$

3)  $r^2 + 10r + \underline{\hspace{2cm}}$

4)  $p^2 + 11p + \underline{\hspace{2cm}}$

5)  $n^2 - 9n + \underline{\hspace{2cm}}$

6)  $x^2 + 17x + \underline{\hspace{2cm}}$

**Solve each equation by completing the square.**

7)  $p^2 - 18p - 56 = 0$

8)  $x^2 + 10x - 24 = 0$

9)  $x^2 - 5x - 24 = 0$

10)  $n^2 + 11n - 80 = 0$

11)  $7x^2 - 14x - 70 = 0$

12)  $5x^2 + 10x - 15 = 0$

13)  $9n^2 + 18n - 27 = 0$

14)  $4x^2 + 12x - 99 = 0$

15)  $9x^2 - 7x - 50 = 0$

16)  $9x^2 + 8x - 26 = 0$

17)  $2x^2 - 80 = 16x$

18)  $8v^2 + 16v = -6$