

Name:

Date:

Period:

Solve each equation by Completing the Square. Write your answers in simplest radical form where necessary.

1. $x^2 + 2x - 24 = 0$

2. $p^2 + 12p - 54 = 0$

3. $x^2 - 8x + 15 = 0$

4. $r^2 + 18r + 56 = 0$

5. $m^2 - 6m - 55 = 0$

6. $m^2 - 4m - 91 = 0$

7. $m^2 + 16m - 32 = -7$

8. $r^2 - 8r = -8$

9. $n^2 = -14n - 37$

10. $n^2 - 2n = 15$

11. $x^2 + 15x + 15 = 2 + x$

12. $-3n^2 + 4n - 59 = -4n^2$