

Name: _____

Solving Quadratic Equations by Factoring

Instructions: Factor the quadratic equations completely. Make sure you show your work.

1. $(t - 4)(3t + 1) = 0$

6. $(2x - 1)(x + 3) = 0$

2. $7x^2 + x = 0$

7. $x^2 - 11x + 19 = -5$

3. $7r^2 - 14r = -7$

8. $x^2 + x - 30 = 0$

4. $4d^2 + 10d - 24 = 0$

9. $-21x^2 - 6x + 15 = 0$

5. $x^2 + 15x + 40 = 4$

10. $b^2 + 5b - 35 = 3b$