

Topic 6.2
Solving Quadratic Equations by Factoring
Homework

Name: _____
Date: _____

Solve each equation by factoring.

1. $x^2 - 3x = 10$

2. $x^2 + 7x = -12$

3. $x^2 + 12x + 36$

4. $2x^2 - 6x + 4 = 0$

5. $x^3 = 6x^2 + 16x$

6. $2x^2 = x + 6$

7. $10x^2 + 3 = 11x$

8. $3x^3 + 11x^2 = -6x$

9. $6x^3 - 24x = 0$

10. $3x^4 + 27x^2 = -18x^3$

11. $12x^2 - 7x = -1$

12. $4x^2 = 44x - 112$