

Factoring and Solving Practice

Name: _____ Hr: _____

Factor Completely.

1. $x^2 - 12x + 36$

2. $6x^2 + x - 15$

3. $2x^2 - 18$

4. $x^2 - 23x + 102$

5. $21x^3 - 35xy^2$

6. $3x^3 - x^2 - 12x + 4$

7. $6ax^2 + 11ax - 10a$

8. $3x^2 - 12$

9. $6x^2 - 10x - 4$

Solve for x.

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

11. $4x^3 + 12x^2 - x - 3 = 0$

12. $3x^2 = 9x$

13. $x^2 + 4x - 21 = 0$