

Name: _____

Alg 1 Honors Homework 9.4 and 9.5

Solve the equations for the variable.

1. $(x + 6)(x + 2)$

2. $(m - 8)(m + 1)$

Factor out the greatest common monomial factor.

3. $5x - 10$

4. $2x^2 - 4x$

5. $9k^3 + k^2$

6. $a^2 - 4a$

Factor the polynomial. Hint** your answer should be in this form ()()

7. $x^2 + 6x + 5$

8. $x^2 + 8x + 15$

9. $x^2 + 5x - 14$

10. $x^2 - 4x + 3$

Factor, and then solve for x.

11. $x^2 + 9x + 14$

12. $x^2 + 6x - 7$