ALGEBRA 1
WS 9.4

Name_____

Date_____

Use the Zero-Product Property to solve each equation.

1. $(n + 3)(n - 2) = 0$

2. $(4a + 2)(a - 6) = 0$

3. $x(x - 3) = 0$

4. $2p(3p + 4) = 0$

Solve by factoring. SHOW ALL OF THE STEPS!!

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

6. $15a^2 = a + 6$

Rewrite in standard form, and solve by factoring. SHOW ALL OF THE STEPS!!

7. $3x^2 - x - 7 = 2x^2 + 5$

8. $x^2 - 4x - 2 = -9x + 4$

9. The area of a rectangular parking lot is 875 ft^2. The parking lot has dimensions such that the width is 10 feet less than the length. What are the dimensions of the parking lot?