

9.2 Factor Trinomials (Guess and Check)

CA #1

Algebra 1

Name: _____

Factor the following if possible. Check your answer by multiplying! (a=1 and Dif. of Squares)

1. $p^2 - 4$

2. $2x^2 + 4x - 48$

3. $n^2 - n - 56$

4. $25x^2 - 16$

5. $x^2 - 5x - 36$

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

Factor the following if possible. Check your answer by multiplying! (a is not 1)

7. $10x^3 + 8x^2 - 2x$

8. $2x^2 + 9x - 5$

Solve the following by factoring.

9. $x^2 - 2x - 48 = 0$

10. $5m^2 = 20m$

11. $6x^2 = 3x^3 - 45x$

12. $2x^2 + 19x + 35 = 0$

Answers to 9.2 CA #1

1. $(p + 2)(p - 2)$	2. $2(x + 6)(x - 4)$	3. $(n - 8)(n + 7)$	4. $(5x - 4)(5x + 4)$	5. $(x - 9)(x + 4)$
6. $(x + 6)(x - 2)$	7. $2x(5x - 1)(x + 1)$	8. $(2x - 1)(x + 5)$	9. $x = -6, 8$	10. $m = 4, 0$
11. $x = -3, 0, 5$	12. $x = -\frac{5}{2}, -7$			