Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Algebra 2 - Factoring Quadratics Practice (HW)

***Factor the following quadratics into two binomials. If the trinomial cannot be factored, say so.***

**Part 1: when a = 1**

1) $x^{2}+5x+4$ 2) $x^{2}+9x+14$

3) $x^{2}+13x+40$ 4) $x^{2}-4x+3$

**Part 2: when a ≠1**

5) $2x^{2}+7x+3$ 6) $3x^{2}+17x+10$

7) $8x^{2}+18x+9$ 8) $7u^{2}-4u-3$

9) $12v^{2}-25v-7$ 10) $4w^{2}-13w-27$

11) $5x^{2}+5x-10$ 12) $2d^{2}+12d+16$

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Algebra 2- Factoring Quadratics (in class)

***Factor the trinomial. If the trinomial cannot be factored, say so.***

1) $11m^{2}+14m-16$ 2) $b^{2}+6b-27$

3) $18n^{2}+9n-14$ 4) $10x^{2}-19x+6$

5) $p^{2}-5p-6$ 6) $r^{2}-14r-72$

7) $–v^{2}+2v-1$ 8) $x^{2}-6x+9$