

Algebra 2 CC  
More Factoring HW  
Mr. Wing

Name \_\_\_\_\_

**Factor the following:**

1.)  $2y^2 + 3y - 2$

2.)  $8x^2 - 6x - 5$

3.)  $5x^2 - 17x + 6$

4.)  $3x^2 + 20x - 7$

5.)  $12x^4 + 10x^3 - 12x^2$

6.)  $3y^5 - 48y$

7.)  $x^4 - 12x^2 + 36$

8.)  $4z^4 - 16z^3 + 16z^2$

9.) **Solve for  $x$ :**  $x^3 = 9x$

10.) **Solve for  $x$ :**  $x^4 - 5x^2 = -4$

11.) **Solve for  $x$ :**  $5x^2 - 45 = 0$

12.) **Solve for  $x$ :**  $6x^2 + 8 = 14x$