

Algebra II Classwork 5-4  
Topic: Factoring

Name: \_\_\_\_\_  
Date: \_\_\_\_\_ PD \_\_\_\_\_

Factor completely

1.  $27x^3 - 8y^3$

2.  $3x(x-2) + 4(x-2)$

3.  $-a^4b^3 + 5a^3b^4 - 2a^5b^3$

4.  $9x^2 - 16$

5.  $x^4 - 81$

6.  $30a^2 - 13a - 3$

7.  $125b^3 + c^3$

8.  $y^4 - 1$

9.  $x^2 - 37x + 36$

10.  $7x^2 - 7x - 42$

11.  $25x^2 - 30xy + 9y^2$

12.  $4w^2 - 324$

13.  $3y^2 - 3y - 168$

14.  $x^2 + 5x - 6$

15.  $x^4 - 10x^2 + 21$

16.  $18x^2y^4 - 6x^3y^5 + 3x^2y$

17.  $6x^2 - 7x - 5$

18.  $2x^5 - 5x^4 - 12x^3$