

Book: Algebra 1 Edition: Algebra 1

Name: \_\_\_\_\_

**Factoring A Sum/Difference of Cubes**

Date: \_\_\_\_\_ Period: \_\_\_\_\_

Factor each completely.

1.  $x^3 + 125$

2.  $x^3 + 27$

3.  $x^3 + 64$

4.  $x^3 + 8$

5.  $x^3 + 27$

6.  $125 + x^3$

7.  $8 - x^3$

8.  $x^3 - 125$

9.  $x^3 - 27$

10.  $x^3 - 8$

11.  $8x^3 + 27$

12.  $-125x^3 + 8$