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

**13.3 – Factoring Sum & Difference of Cubes**

Factor.

|  |  |
| --- | --- |
| 1. $x^{3}+64$
 | 1. $x^{3}-1000$
 |
| 1. $125x^{3}-27$
 | 1. $x^{3}-729$
 |
| 1. $8x^{3}-1$
 | 1. $64x^{3}+8$
 |
| 1. $x^{3}-27$
 | 1. $125x^{3}+216$
 |
| 1. $729x^{3}+343$
 | 1. $x^{3}+512$
 |