

Sum of Cubes Practice

Date _____ Period _____

1) Write out the pattern that we use for factoring sum of cubes polynomials.

Factor each completely.

2) $x^3 + 1$

3) $27 + a^3$

4) $m^3 + 8$

5) $125 + u^3$

6) $27x^3 + 125$

7) $8a^3 + 125$

8) $x^3 + 27$

9) $8 + 27a^3$

10) $125x^3 + 64y^3$

11) $125a^3 + 27b^3$