

5.3 A Perfect Cube Polynomials

Period _____

Factor each.

1) $x^3 - 8 = 0$

2) $x^3 - 125 = 0$

3) $x^3 + 27 = 0$

4) $x^3 + 1 = 0$

5) $8x^3 + 27 = 0$

6) $125x^3 + 8 = 0$

7) $64x^3 - 125 = 0$

8) $27x^3 - 64 = 0$

Solve each by factoring.

9) $x^3 + 1 = 0$

10) $x^3 + 125 = 0$

11) $x^3 - 1 = 0$

12) $x^3 - 27 = 0$

13) $27x^3 + 8 = 0$

14) $125x^3 - 27 = 0$