

Worksheet 5.14
Factoring Cubic Equations
Algebra

Name:

Date:

Period:

Assign#:

Factor completely.

1. $x^3 + 27$

2. $a^3 + b^3$

3. $x^3 + 8$

4. $x^3 - 27$

5. $x^3 - 8$

6. $27 - x^6$

7. $64x^3 - 27y^3$

8. $125x^3 + 1$

9. $8x^3 + 125$

10. $216x^6 - 27$

11. $64x^3 + 729$

12. $x^3 + 6x^2 + 12x + 8$

13. $y^3 - 9y^2 + 27y - 27$

14. $8y^3 - 12y^2 + 6y - 1$