

Name _____ Date _____

Homework Factoring Difference of Two

1. $x^2 - 16$

7. $x^2 - 1$

2. $25 - x^2$

8. $36x^2 - 49$

3. $1 - x^2$

9. $100x^2 - 1$

4. $-x^2 + 9$

10. $9x^2 - 121$

5. $-x^2 + y^2$

11. $36x^2 - 49y^2$

6. $4x^2 - 81y^2$

12. $64x^2 - 64y^2$

Factoring and Difference of 2 Cubes

Factor each quadratic into two binomials

1. $x^2 + 125$

7. $x^3 - 64$

2. $125 - x^3$

8. $x^3 + 1$

3. $1 - x^3$

9. $8x^3 + 27$

4. $-x^3 - 8$

10. $x^3 + 1$

5. $x^3 + 8y^3$

11. $8x^3 + 125$

6. $x^3 - 216y^3$

12. $343x^3 + 64n^3$