Name_____

Factoring Sum and Difference of Cubes

Write the formulas for how to factor each the following.

1) Factoring a Difference of Two Squares

2) Factoring a Difference of Two Cubes

3) Factoring a Sum of Two Cubes

Factor each completely.

4) $m^2 - 1$

5) $4p^2 - 25$

6) $x^2 - 16$

7) $25p^2 - 1$

Factor each completely.

8) $64x^3 + 1$

9) $8x^3 + 125$

10) $216 + 125x^3$

11) $125x^3 + 27$

12) $a^3 + 216$

13) $64x^3 - 27$

14) $125u^3 - 1$

15) $343 - 64x^3$

16) $a^3 - 1$

17) $m^3 - 8$

18) $3x^3 - 3$

19) $500 + 32u^3$

20) $250x^3 + 16$