

$$\text{Factoring Difference of Cubes}$$
$$a^3 - b^3 = (a - b)(a^2 + ab + b^2)$$

Name: _____

Use the difference of cubes formula to factor the following. Don't forget to factor out the GCF if necessary.

1. $x^3 - 8$	2. $t^3 - 1$	3. $27 - y^3$
4. $8t^3 - 27$	5. $1 - 64x^3$	6. $2y^3 - 54$
7. $24t^4 - 3t$	8. $8 - 64t^3$	9. $40x^2y - 135x^2y^4$
10. $x^6 - 27$		