Name:_____

Directions: Factor each polynomial completely. **Double check** your answer by multiplying the factors using any method for full credit. Box your answers.

1	$x^3 + 125$	2	$x^3 - 64$
3	$x^3 - 27$	4	$1 - d^3$
5	$x^3 + 27$	6	$8x^3 + 27$
7	$-x^3 - 8$	8	$648g + 1029g^4$
9	$64x^3 + 1$	10	$343m^3 + 64p^3$
11	$y^3 + 343x^3$	12	$1029yx^3 + 24y^4$

Space to double check answers by multiplying the two factors

1		2	
3		4	
5		6	
7		8	
9		10	
11		12	