

Class Time Examples

Date _____

Factor each completely.

1) $64x^3 - 27$

2) $108u^3 - 256$

3) $2x^3 + 432$

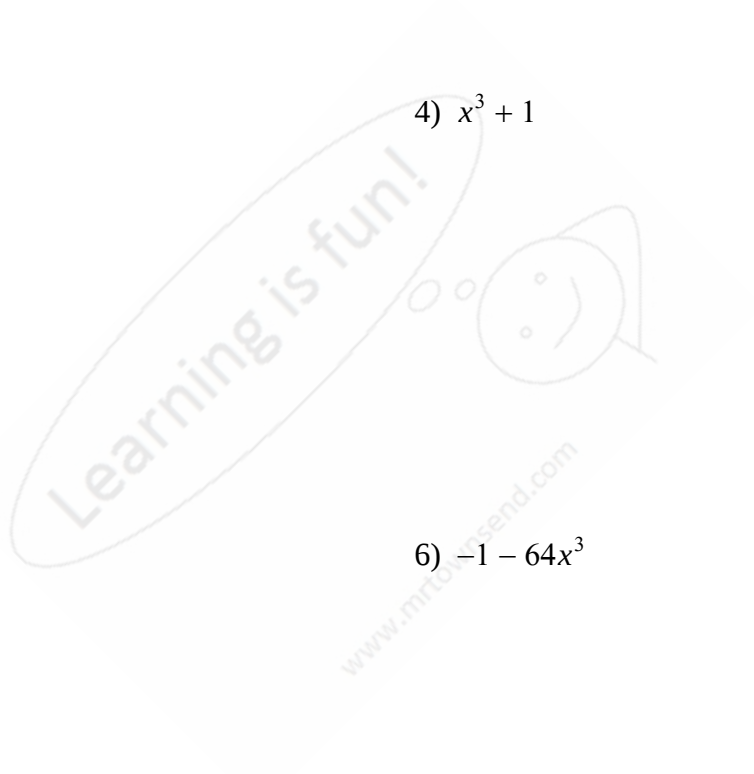
4) $x^3 + 1$

5) $24 + 3m^3$

6) $-1 - 64x^3$

7) $500x^3 - 256$

8) $32x^3 - 500$



Answers to Class Time Examples

- 1) $(4x - 3)(16x^2 + 12x + 9)$ 2) $4(3u - 4)(9u^2 + 12u + 16)$ 3) $2(x + 6)(x^2 - 6x + 36)$
4) $(x + 1)(x^2 - x + 1)$ 5) $3(2 + m)(4 - 2m + m^2)$ 6) $(-1 - 4x)(1 - 4x + 16x^2)$
7) $4(5x - 4)(25x^2 + 20x + 16)$ 8) $4(2x - 5)(4x^2 + 10x + 25)$

