Algebra 2 Bellwork Tuesday, December 3, 2013

Find ALL solutions by factoring:

$$6x^5 - 18x^3 - 108x = 0$$

2.
$$2x^3 - 5x^2 + 18x - 45 = 0$$

Sum and Difference of Cubes

$$a^3 + b^3 = (a + b)(a^2 - ab + b^2)$$

 $a^3 - b^3 = (a - b)(a^2 + ab + b^2)$

Quadratic Formula

 $-b \pm \sqrt{b^2 - 4ac}$

- 3. Factor $27x^3 125$
- 4. Find ALL Solutions. $8x^3 + 1 = 0$