Solving Polynomials Extra Practice

This will be what your SLOT Quiz covers tomorrow! Your score will be added to your "Quest" score from before break.

DIRECTIONS: (a) Factor each of the following polynomials *completely.*

(b) Use the factored form to solve the polynomials.

1) $x^3 - 6x^2 + 9x = 0$ 2) $x^3 + 27 = 0$ 3) $x^4 - 8x^2 + 7 = 0$ 4) $2x^3 - 18x^2 + 40x = 0$

5) $x^3 - 125 = 0$ 6) $x^4 - 5x^2 + 4 = 0$ 7) $3x^3 - 2x^2 - 5x = 0$ 8) $27x^3 + 1 = 0$

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