Algebra I CW polynomials

For #'s 1-5 classify each polynomial by its degree and number of terms. If it is not a polynomial, <u>say so</u>.

1. $6b^2 - 7$

2. $3p + \dfrac{2p}{q} - 5q$

3. $x^2 - 9x^4 + 3x + x$

4. $t^2 + t^{0.5}$

5. 10

For the following, simplify. Write final answer in decending order.

6. $c^3 + c^2 + 2c - 3c^3 - c^2 - 4c$

7. $5x^2 - 3x^4 + 6x - 11 - 2x^4 - x^3 + x^2 - 8x - 11$

For the following, add or subtract the giving polynomials.

8. $(3y^2 - y + 3) + (2y^2 + 2y + 9)$

9. $\begin{array}{r} (7c^3 - 5c^2 + 2c) \\ -(-3c^3 + 2c^2 - 2c) \\ \hline \end{array}$

10. $\left(7y^2 - 7y + 7\right) - \left(4y^2 + 2y + 3\right)$

11. $(x+4)\left(5x^2 - 2x + 3\right)$