Graphing (Factored) Polynomials Practice II

For each of the following (factored) polynomials:

    a) Find the zeros

    b) State any multiples with their multiplicities

    c) Describe the end behavior

    d) Graph the polynomial

1) $y = (x - 5)^3$ 2) $y = x(x - 8)^2$

3) $y = -(x - 2)(x - 3)^3$

4) $y = (2x + 5)(x - 2)^2(x + 6)$

5) $y = -x^2(x - 2)$

6) $y = -(x + 2)^4(x + 3)$

7) $y = (x + 3)(x - 2)$