Homework section 7.1 – one of these problems will be on the test.

For each polynomial function determine x and y intercepts, multiplicity of x intercepts, end behavior and sketch the graph

1. J(x) = x4 – 8x3 + 2x2 + 80x – 75
2. (hint: when finding x-intercepts factor out gcf of -1)
3. m(x) = - 0.02(x -1)2 (x + 5)3