Alg 2A

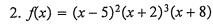
Hwk #25

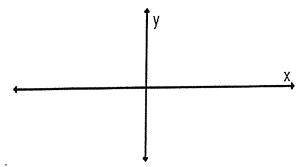
Spring 2017

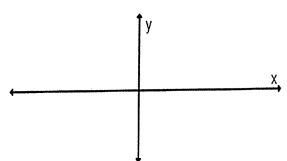
Name:

Sketch the graph of each polynomial. Label the x-intercepts and show the proper end behavior and correct shape of each zero.

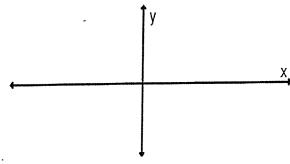
1.
$$y = -x(x+6)^2(x-4)^2$$





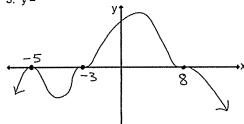


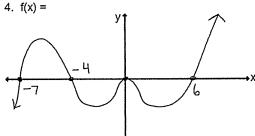
3.
$$y = 5x^2(x-2)^3(x+4)^2(x-6)$$



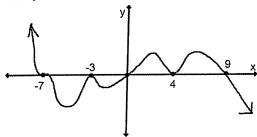
Use the graph of each polynomial to write it's equation.

3. y=





6. y =



7. Write a possible equation of a polynomial that has the following zeros: -2,-1,5 (all single zeros). Give your answer in Standard Form.

8. Write the exact equation of a polynomial that goes through the point (-1, 112) and has the following zeros: 6(single zero) and -3(double zero). Give your answer in Factored Form with the correct value of a. y =