Do the following problems on the back of this sheet

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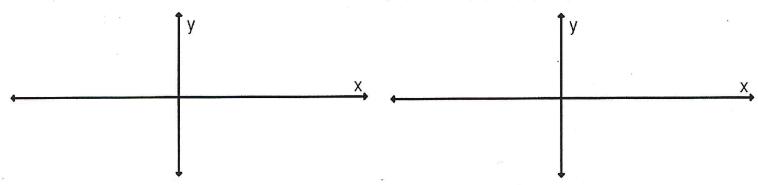
Problems 7, 8, 11, 14

Then do the four problems below.

Sketch the graph of each polynomial showing the end behavior, the zeros, and the behavior around each zero.

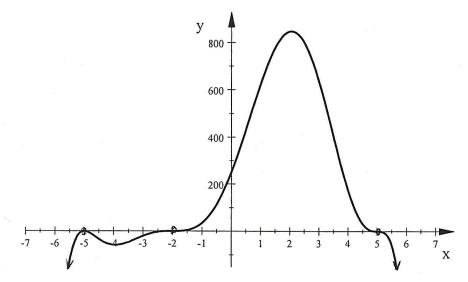
1. 
$$y = -x(x+6)^2(x-1)^2$$

2. 
$$f(x) = (x-2)^2(x+4)^3(x+7)$$



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

3. 
$$y =$$



4. 
$$f(x) =$$

