Polynomial functions: End behavior 2   NAME:

We will practice finding and notating the end behavior of polynomial functions. Use the notation described on the worksheet "Polynomial functions: End behavior" which also appears in the notes for this section.

Do the following three things for each function.
a.) Write the end behavior of the polynomial function using the proper notation.
b.) Draw a quick graph of the function. Use the standard window.
c.) Explain how you know the end behavior. Use the "leading term test" and do not simply say you looked at the graph.

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

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

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