Weird Scheduling on WebAssign...

We will move some of the early Chapter 3 back a bit, and the rest of the stuff, later, forward a bit.

Done.

There'll still be adjustments to the schedule on WebAssign, but it didn't make sense to have a 10-day hole in assignments and then rush everything at the end.

This is more in keeping with the overview provided by the Course Schedule.

We can always talk about moving things back, as needed.

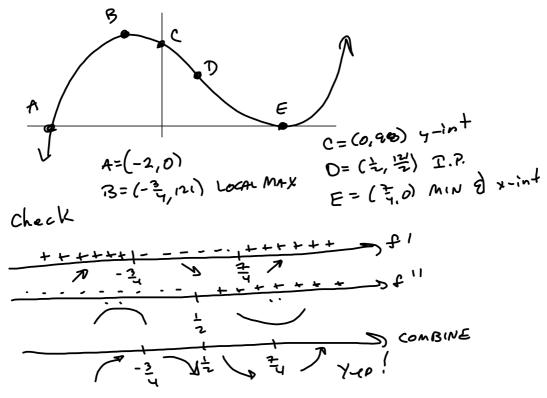
You know the drill. Circle final answers. Show all work, etc.

1. (10 pts) Sketch the graph of  $f(x) = 16x^3 - 24x^2 - 63x + 98$ . Show all intercepts, asymptotes, extremes and inflection points.

Quick Graph suggests zeros at x = -2, 7/4...

$$f(-\frac{3}{4}) = ?$$

$$-\frac{3}{4} = \frac{2}{16} - \frac{24}{-34} - \frac{3}{36} = \frac{27}{125} = \frac{27$$



For graphing, we want to do the sign patterns on f' and f'' before making the graph, but we know what a cubic polynomial should look like, and it's just a matter of finding zeros of f' and f'' to tell us.

For messier functions involving trig functions, we don't have the same level of intuition.