

**Name:** \_\_\_\_\_

1. Class notes for this week: This week we have covered Sections 3.4 and 3.5. Next week we will cover Sections 3.7 and 3.8.
2. This week's take home quiz is slightly special, as follows. On the WebWork set for Section 3.5, problems 4, 5, and 6 ask you to sketch a graph and hand it in if instructed to do so. Please use this front and back of this page to carefully sketch these three graphs, making sure to clearly identify all intercepts, asymptotes, intervals of increase and decrease, relative maxima and minima, and concavity. (You will have already calculated all of these things as part of the WebWork.) Because the WebWork questions sometimes vary slightly between students, please note exactly what function you are sketching. The graphs for problems 4 and 5 will be worth 2 points each, and the graph for problem 6 will be worth 1 point.