Agenda/Objectives/Notes Calculus Section 2.2

Starter Problem

1. Find the slope of the tangent line of the function below at the given point.
$$f(x) = -2x^4 + 3x^3 - 5x^2 + 4 \text{ at } (2,-24)$$

2. Determine the points of the graph, if any, at which the graph of the function has a horizontal tangent.
$$f(x) = x^3 - 3x^2 - 10x + 24$$

Today's Agenda
1. Starter problems
2. Review assignment due
3. Today Objectives
4. Today's Assignment: 115/43, 51, 55, 59, 63, 67, 83-87, 91, 93, 97, 103
5. Quiz 2.1 – 2.2
6. Test Review 2.1 – 2.2

Today's Objectives: You will be able to find the derivative of a function using
1. The Constant Rule
2. The Power Rule
3. The Constant Multiple Rule
4. The Sum and Difference Rules