- 1. In this problem, you will be given a function f, and your goal is to graph f' and f''. For all three graphs, make sure you consistently line up equal values of x.
 - (a) Find the values of x where f'(x) = 0. Indicate those points on the graph of f' (middle axes).
 - (b) Find the values of x where f'(x) > 0. Use a pencil or something else you can erase to indicate those x values with a + on the graph of f. Do something similar for f'(x) < 0.
 - (c) For which values of x is f'(x) increasing? f'(x) decreasing?
 - (d) Use the information about where f' is increasing and decreasing to finish your graph of f'.
 - (e) For which values of x is f''(x) > 0? (Review: How can you see f''(x) > 0 on the graph of f'(x)? On the graph of f(x)?)
 - (f) Draw in as much of the graph of f'' as you can with the given information.







