1.) Let  $f(x) = x^2 + 3$ . Calculate f'(1) and write the equation for the tangent line at x=1. Sketch the graph of the function and the tangent line to check for consistency of your work.

2.) Let  $f(x) = 1/x^2$ . Calculate f'(-1) and write the equation for the tangent line at x=-1. Sketch the graph of the function and the tangent line to check for consistency of your work.