Tangent to a Curve Homework

Using the method shown in class, find the tangent line to $f(x) = x^3 - 2x^2 + 5$ at x = -1. Be sure to check both sides of x = -1. A complete solution will include calculations, a graph, a table, and sentence explanations. A graph of the function is shown below.

f(x) = (x³-2·x²)+5