Quiz 10

1. Sketch a graph of $f(x) = x^4 - x^3 - 6x^2$. Label all intercepts.

2. Hannah sells shoes, and wants to make as much money as she can. If the shoes cost p dollars, then $300 - p$ people will buy them. How much should she charge for each shoe? How much will she make? (hint: $x = 300 - p$ and $R = px$)