1. In each part state the inflection points of $f$.

   (a) The curve is the graph of $f$.

   (b) The curve is the graph of $f'$.

   (c) The curve is the graph of $f''$.

2. For $f(x) = x^4 - 2x^2 + 3$ find

   (a) The intervals on which $f$ is increasing or decreasing.

   (b) The local maximum and minimum values of $f$.

   (c) The intervals of concavity and inflection points.