1. Find the antiderivatives of the following functions. You can always verify your answers by graphing $f(x)$ and its antiderivative on the same set of axes.
(a) $f(x)=\sqrt{x}-2 x+3$
(b) $f(x)=x-\frac{5}{x^{3}}+2 x$
(c) $f(x)=\frac{7}{x}-x+4$
2. Find a function $g(x)$ with a stationary point at $x=1$.
