

Name: _____

1. Consider the function $f(x) = x^2 - 4x + 7$.

(a) Find all critical points of $f(x)$.

(b) Find the absolute extrema of $f(x)$ on the closed interval $[0, 3]$.

Name: _____

1. Consider the function $f(x) = x^3 - 3x$.

(a) Find all critical points of $f(x)$.

(b) Find the absolute extrema of $f(x)$ on the closed interval $[0, 2]$.