

Math 101 – Quiz # 6

Name: _____ Serial#: _____

Let $f(x) = x(1-x)^{\frac{2}{5}}$.

1. Find the critical points of f .
2. Find the intervals on which f is increasing and on which f is decreasing.
3. f has a stationary point at $x = \dots\dots\dots$
4. Locate the relative extrema of f .
5. Discuss the concavity of f .

