

MTH 124.019 Quiz 11
Friday 23 April 2010

Name:

Show *all* your work. Points will be deducted for incomplete work.

Let $f(t) = t^2 e^{-t}$.

1. What is $f'(t)$?

2. What is $f''(t)$?

3. List all the critical points of f .

4. Which of the critical points of f correspond to local minima?

5. Which of the critical points of f correspond to local maxima?