Math 157 - Quiz 8x

Name _____

November 5, 2014

Score _____

Show all work to receive full credit. Supply explanations when necessary.

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1. (5 points) Find the inflection point(s) of the graph of $f(x) = xe^{2x}$.

2. (5 points) Use the 2nd derivative to determine whether the graph of $f(x) = x^2 e^{-x}$ is concave up or concave down at $x = 3$.