

Quiz 8 — MA16010 — October 23, 2017

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For this quiz, $f(x) = x^2e^{3x}$.

1. Find $f'(x)$.
2. Find the x-values of the critical points of $f(x)$.
3. Find the y-values of the critical points of $f(x)$.
4. Find $f(1)$ and $f(-1)$.
5. Find the absolute maximum and minimum values of $f(x)$ on the interval $[-1, 1]$.