

PRINT your name:

Answer each question below completely. You must fully justify your answers to get credit. Even a correct answer with no justification is wrong.

1. Write the Taylor series for e^x centered at $x = 2$. It might be useful to realize that $e^2 \cdot e^{x-2} = e^x$.

2. Write the degree 3 Taylor polynomial for $2x^2 + e^x$ centered at $x = 2$. Note that while doing the first question helps, this can be done even if you couldn't do part 1.