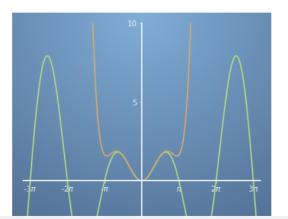
## **Taylor Series Assessment**

LATEST SUBMISSION GRADE 100%

Now that we have completed the set of Taylor series lectures and answered all the quiz questions, we now need
to test our understanding of Taylor series. We have looked at the derivation of Taylor series, broken it down into
a power series approximation, explored special cases and developed the idea of multivariant Taylor series, that
is required in order for us to develop a good grounding for the next chapters in this course.

For the function  $f(x) = x\sin(x)$  shown below, determine what order approximation is shown by the orange curve, where the Taylor series approximation was centered about x=0.



1 / 1 point