Numerical Integration Wrap-up

Before we move away from numerical integration, make sure you can answer the following example:

Example: Approximate the value of

$$\int_3^4 \frac{\sin(x)}{x} dx$$

to within 0.01 of the actual answer.
EXPLAIN YOUR REASONING *e.g.*, why the number of subdivisions, n, you may have used is large enough, *etc.*.