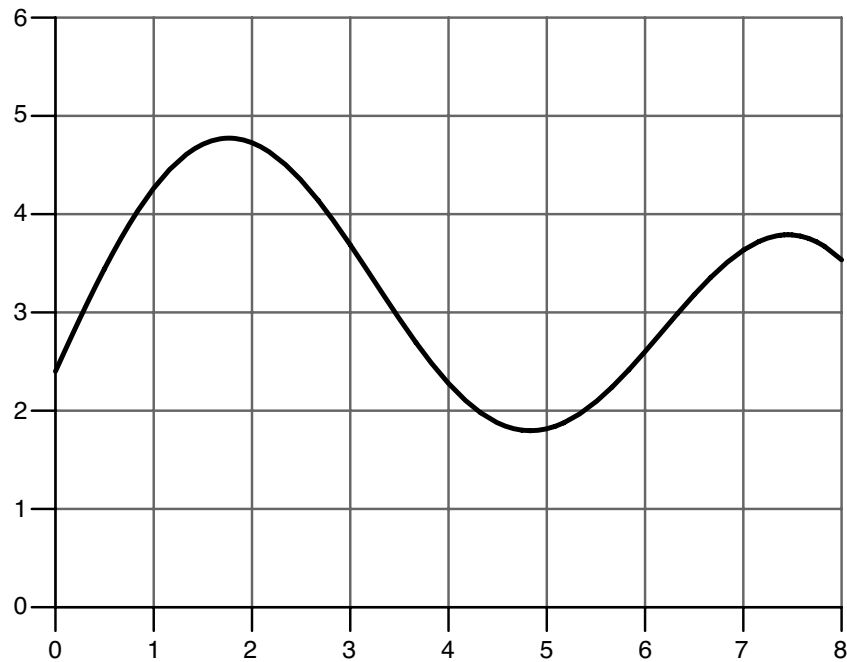


TOP SECRET!

Area Under the Curve Contest



The equation graphed is $y = 1.6 \sin x + 0.6x - 0.082x^2 + 2.4$.

The actual value: $\int_0^8 f(x) dx = 26.238133\dots$

Using Simpson's Rule with the equation and 16 subintervals gives ≈ 26.23879 .

Within 1%: $25.9757 \leq \int_0^8 f(x) dx \leq 26.5005$

Fun Facts: Last time I ran this contest I had 23 entries.

The winning entry was 26.2333.

16 of the 23 entries were within 1%.