2/19/25, 4:28 PM Poll Results







Math 3A03 **Poll Results**

Derivatives: Differentiable at 0

Question #1 Suppose $f:\mathbb{R}
ightarrow \mathbb{R}$, f(0)=0, and

$$f(x)=x^2\sinig(rac{1}{x^2}ig)\qquad ext{for all }x
eq 0.$$

Is f differentiable at x=0?

