

Problem statement a) Graph $f(x) = x^3 - x$ in the interval $-1 \leq x \leq 2$. Compute $\int_{-1}^2 f(x) dx$.

b) Graph $g(x) = |x^3 - x|$ in the interval $-1 \leq x \leq 2$. Compute $\int_{-1}^2 g(x) dx$.

b) Graph $h(x) = x^3 - |x|$ in the interval $-1 \leq x \leq 2$. Compute $\int_{-1}^2 h(x) dx$.