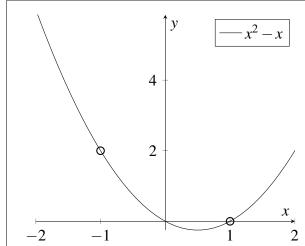
1. Suppose $f(x) = x^2 - x$ what is the average value of f on [-1,1]?



$$\overline{f} = \frac{1}{b-a} \int_a^b f(x) dx$$
$$\overline{f} = \frac{1}{1 - (-1)} \int_{-1}^1 (x^2 - x) dx$$

- **2.** Evaluate $2 + 4 + 6 + \cdots + 100$.
- 3. Evaluate $\int (7 + e^x)^5 e^x dx$
- **4.** Evaluate $\int_{-1}^{1} (3+x)^4 dx$