

# Evaluate each definite integral and look at a graph to check if your answer is plausible

1.  $\int_{-1}^5 x + \sin(x) dx$

2.  $\int_1^4 \frac{1}{3}x^2 - \frac{1}{x^2} - \frac{1}{x} dx$

3.  $\int_2^6 \sqrt{x} - \sin(x) dx$

4.  $\int_{-1}^1 \sin(x^3) dx$

5.  $\int_{-2}^3 e^x \sin(x) + e^x \cos(x) dx$

6.  $\int_0^3 2x \cos(x^2) dx$

7.  $\int_{-1}^2 x^2 \sin(x^3) dx$

8.  $\int_0^2 \sin(x^3) dx$