

Samples **Integrals**

1. Evaluate $\int_{-\pi/2}^{2\pi} (4 \cos(2x) + 9 \sin(3x)) \, dx$

2. Evaluate $\int_{3\pi}^{4\pi} (2 \cos(2x)) \, dx$

3. Evaluate $\int_0^{3\pi} (4 \sin(4x)) \, dx$