

SUNDAY 10/9

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

$$2. \int \sin^3 x \cdot \cos^{5/2} x dx$$

$$3. \int \frac{x}{1+x^4} dx$$

$$4. \int x^5 \sqrt{1+x^2} dx$$

$$5. \int x \ln x dx$$