

TUESDAY 10/10

$$1. \int \frac{1}{x^2} \cos\left(\frac{1}{x}\right) dx$$

$$2. \int \cos^2 x \sin^3 x dx$$

$$3. \int x^2 e^x dx$$

$$4. \int_0^{\infty} x e^{-x} dx$$

$$5. \int \frac{1}{x} \sqrt{9x^2 - 4} dx$$