

# Top Heavy Integrals

AP MC

$$3. \int_1^e \frac{x^2 + 1}{x} dx =$$

$$(A) \frac{e^2 - 1}{2}$$

$$(B) \frac{e^2 + 1}{2}$$

$$(C) \frac{e^2 + 2}{2}$$

$$(D) \frac{e^2 - 1}{e^2}$$

$$(E) \frac{2e^2 - 8e + 6}{3e}$$