

Math221 Review: Integration

$$\int_0^2 e^x (1 - e^x)^3 dx$$

Answer: _____

$$\int \cos^2(t) dt$$

Answer: _____

$$\int -7z/e^z dz$$

Answer: _____

$$\int \frac{u^3}{2 - u^4} du$$

Answer: _____

$$\int x^{5/2} \ln(x) dx$$

Answer: _____

$$\int \frac{1}{y^2 + 4y - 5} dy$$

Answer: _____

$$\int \left[7 v^3 (v^1 + v^{-5}) + \frac{4}{1 + v^2} \right] + 9 \sin(v)] dv$$

Answer: _____

$$\int \frac{\cos(3t)}{(\sin(3t))^2} dt$$

Answer: _____

$$\int_1^e \left(\frac{8y^2 - 9}{y} \right) dy$$

Answer: _____