

ID# _____ Name: _____

Quiz 4 MATH 102-T172

Serial# _____

Q1. Evaluate the integral: $\int \frac{dx}{x^2 - 4x + 5}$

Q. 2. Check if the integral $\int_1^{\infty} \frac{dx}{\sqrt{x} + x\sqrt{x}}$ converges. If so, find its value .

Q3. Evaluate the integral: $\int \frac{x^3 + 3}{x(x^2 + 2)} dx$

(Use other side of paper)

ID# _____ Name: _____

Quiz 4 MATH 102-T172

Serial# _____

Q1. Evaluate the integral: $\int \frac{(x-2)^3}{\sqrt{4x-x^2}} dx$

Q. 2. Evaluate the integral: $\int \frac{1}{2 \sin x + 1} dx$

Q3. . Check if the integral converges. If so, find its value $\int_1^e \frac{dx}{x\sqrt{\ln x}}$

(Use other side of paper)

ID# _____ Name: _____

Quiz 4 MATH 102-T172

Serial# _____

Q1. Evaluate the integral: $\int \frac{x^3}{(4+x^2)^{7/2}} dx$

Q. 2. Check if the integral converges. If so, find its value

$$\int_{-1}^0 \frac{e^{1/x} dx}{x^3}$$

Q3. Evaluate the integral: $\int \sqrt{1+\sqrt{x}} dx$.

(Use other side of paper)

ID# _____ Name: _____

Quiz 4 MATH 102-T172

Serial# _____

Q1. Evaluate the integral: $\int \frac{dx}{x^2 \sqrt{x^2 + 4}}$



Q. 2. Check if the integral $\int_1^{\infty} \frac{e^{1/x} dx}{x^2}$ converges. If so, find its value



Q3. Evaluate the integral: $\int \frac{x}{(x-1)(x^2 - 4x + 3)} dx$.

(Use other side of paper)

ID# _____ Name: _____

Quiz 4 MATH 102-T172

Serial# _____

Q1. Evaluate the integral: $\int \frac{x^2 - 2}{(x^2 + 4)(x - 1)} dx$

Q. 2. Check if the integral $\int_0^{\pi/2} \frac{\cos x dx}{\sqrt{\sin x}}$ converges. If so, find its value

Q3. Evaluate the integral: $\int \frac{\sqrt{x^2 - 9}}{x} dx$

(Use other side of paper)

ID# _____ Name: _____

Quiz 4 MATH 102-T172

Serial# _____

Q1. Evaluate the integral: $\int \frac{\sqrt{x}}{x-1} dx$



Q. 2. Check if the integral $\int_{-1}^0 \frac{e^{1/x} dx}{x^3}$ converges. If so, find its value



Q3. Evaluate the integral: $\int \frac{x^2 - 2}{(x^2 + 4)^2} dx$

(Use other side of paper)