

1. Only find the Partial Fractions of the function  $\frac{x}{(x-1)(x^2-1)}$

2. Evaluate:  $\int \tan^3 x \sec x dx$

3. Evaluate:  $\int \frac{xdx}{\sqrt{3-2x-x^2}}$

ID# \_\_\_\_\_

Sec. #: \_\_\_\_\_

Quiz 4 MATH 102 T112

Serial # \_\_\_\_\_

1. Only find the Partial Fractions of the function

$$\frac{x}{(x-1)(x^2+1)}$$

2. Evaluate:  $\int \cot^2 x \csc^4 x dx$

3. Evaluate:  $\int \frac{xdx}{\sqrt{x} + \sqrt[3]{x}}$

ID# \_\_\_\_\_

Sec. #: \_\_\_\_\_

Quiz 4 MATH 102 T112

Serial # \_\_\_\_\_

1. Only find the Partial Fractions of the function

$$\frac{1}{x^3 - 3x^2}$$

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

3. Evaluate:  $\int \frac{\sqrt{9+x^2} dx}{x^4}$

1. Only find the Partial Fractions of the function

$$\frac{1}{x^3 + x}$$

2. Evaluate:  $\int \frac{dx}{2 + \cos x}$

3. Evaluate:  $\int \frac{dx}{x^2 + 4x + 5}$