

Math 102 - 7

Quiz # 2 **A**

Sem 062

Name: \_\_\_\_\_ I.D.#: \_\_\_\_\_ Serial #: \_\_\_\_\_

Q1 Find  $\frac{d}{dx} \int_{\sqrt{x}}^{\sin x} t^2 \tan t \, dt$

Q2  $\int_0^{\frac{\pi}{4}} \frac{\sin^2 t \cos t}{\sin^2 t} \, dt$

Q3  $\int_0^1 \frac{x}{\sqrt{1-2x}} \, dx$  .

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Quiz # 2 **B**

Sem 062

Name: \_\_\_\_\_ I.D.#: \_\_\_\_\_ Serial #: \_\_\_\_\_

Q1 Find  $\frac{d}{dx} \int_{x^2}^{\cos x} t \cot t \, dt$

Q2  $\int_0^{\frac{\pi}{6}} \frac{\cos^2 t \sin t}{\cos^2 t} \, dt$

Q3  $\int_0^1 x \sqrt{4-x^2} \, dx$  .

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Quiz # 2 **B**

Sem 062

Name: \_\_\_\_\_ I.D.#: \_\_\_\_\_ Serial #: \_\_\_\_\_

Q1 Find  $\frac{d}{dx} \int_{\sin x}^{\tan x} t \sqrt{t^2-3} \, dt$

Q2  $\int_{\ln 2}^{\frac{\pi}{6}} \frac{\sec t \cos t}{\cos t} \, dt$

Q3  $\int_0^1 \frac{e^x}{e^{2x}-1} \, dx$  .

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Quiz # 2 **A**

Sem 062

Name: \_\_\_\_\_ I.D.#: \_\_\_\_\_ Serial #: \_\_\_\_\_

Q1 Find  $\frac{d}{dx} \int_{\ln x}^{\sqrt{x}} \frac{t}{\sqrt{t^2-3}} \, dt$

Q2  $\int_0^{\ln 3} \frac{e^{2x} - 3e^x}{e^x} \, dx$

Q3  $\int_0^{\frac{\pi}{2}} \frac{\cos x}{\sin^2 x} \, dx$  .

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Quiz # 2 **A**

Sem 062

Name: \_\_\_\_\_ I.D.#: \_\_\_\_\_ Serial #: \_\_\_\_\_

Q1 Find  $\frac{d}{dx} \int_{x^2}^{\sin x} \frac{t}{\sqrt{t^2-3}} \, dt$

Q2  $\int_0^{\frac{\pi}{2}} \frac{\csc x \cot x}{\sin x} \, dx$

Q3  $\int_0^1 \frac{e^x}{e^{2x}-1} \, dx$  .

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Quiz # 2 **B**

Sem 062

Name: \_\_\_\_\_ I.D.#: \_\_\_\_\_ Serial #: \_\_\_\_\_

Q1 Find  $\frac{d}{dx} \frac{\sqrt{x}}{\cos x} \frac{t^2}{\sqrt{t-3}} dt$

Q2  $\int_0^{\pi} \frac{\sec x}{\cos x} \frac{2 \tan x}{\cos x} \frac{5 \sin x}{\cos x} dx$

Q3  $\int_0^{\ln 3} \frac{e^x}{e^{2x}-1} dx$  .