

Quiz# 4

Name: _____

ID #: _____

Section #: 2

Serial #: _____

1. Compute $\int \frac{2+\sqrt{x}}{3-\sqrt{x}} dx$.

2. Is $\int_0^{\infty} \frac{\ln x}{x^3} dx$ convergent or divergent? Evaluate it if it is convergent.

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Quiz# 4

Name:

ID #:

Section #: 6

Serial #:

1. Compute $\int \sqrt{\frac{x}{x-1}} dx$.

2. Is $\int_0^{\infty} \frac{x \arctan x}{(1+x^2)^2} dx$ convergent or divergent? Evaluate it if it is convergent.

With My Best Wishes

KFUPM
Mathematics & Statistics

Term 142
MATH 102

Date: 6/4/2015
Duration: 20 minutes

Quiz# 4

Name: _____

ID #: _____

Section #: 15

Serial #: _____

1. Compute $\int \sqrt{x + \sqrt{x}} dx$.

P.T.O. →→→

2. Is $\int_1^{\infty} \frac{e^{2x}+1}{e^{2x}-1} dx$ convergent or divergent? Evaluate it if it is convergent.

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