

November 5,2015

QUIZ#3 Math102-sec 6.

Net Time Allowed: 25 minutes

Name:

ID # :

Serial #:

**Exercise1:**(05 points)

Evaluate the integral:

$$\int 8 \sin^4 x \, dx$$

**Exercise2:**(05 points)

Write out the form of the partial fraction decomposition of

$$F(x) = \frac{3x^2 + 9}{x^3(x + 1)(x^2 + 16)^2} .$$

(Do not evaluate the constants !)