

November 24,2016

QUIZ#4 Math102-sec 05.

Net Time Allowed: 15 minutes

Name:

ID # :

Serial #:

Exercise1:(05 points)

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

solution:

Exercise2:(05 points)

Write out the form of the partial fraction decomposition of

$$F(x) = \frac{-4x^2 + 3}{(x-1)^3(2x-1)(x^2+16)^2} \cdot \text{(Do not evaluate the constants !)}$$

solution: