KFUPM

Electrical Engineering Department

EE-315 -121

Quiz#2

Instructor: Dr. Saad Al-Abeedi

**Student Name: \_\_\_\_\_ ID# \_\_\_\_\_\_\_\_\_\_\_\_ Serial**# \_\_\_\_\_

I. For a Gaussian random variable, X, with and , Find

(a) **P(X<-1)**

(b) **P(X>1)**

II. Consider a Gaussian random variable, X, with unknown parameters and . It is known that and . Find **P(X>3)**.