# Quiz 1 CpET 281 Networking Technologies 2225

## Question 1

### Calculate the Return Loss of a 30KFT loop using 24 AWG wire and assuming a Balancing Network Resistance (R N) of 900 ohms.

## Does this meet the minimum requirement?

## Question 2

### What is the delay through a Class 5 switch assuming the IMT’s in and out of that switch carry 672 channels? Show all calculations and formulae used.

## Question 3

### Why are Subscriber Loop Carrier used in providing POTS?

### Question 4

### How are Class 5 switches different from Routers?

### How are they similar?

## Question 5

### How are IMT’s that connect routers and that connect Class 5 switches fundamentally different?