Quiz # 24

Key Name:

You must show your work to get full credit.

1. How many bit strings have length between 2 and 5 inclusive.

The number is _____6 O

leugth 4 = 24 = 16 # leugth 5 = 25 = 32

total number = 4+8 + 16+32 = 60

2. How may arrangements in a row are there from 3 letters from AMPLITUDES (this is a 10 letter word).

109-8-7-6.5.4.3.2.1 The number is 101 = 3,628,800

3. How many PINs are there of the form two letters follows by two digits (that is things like ab12or qq70).

(a) If there are no restrictions on the letters or digits.

The number is $26^2/0^2 = 67600$,

(b) If there is no repeated letter or digit.

The number is 26.25.10.4 = 58,500