Written Exercise 2: VLSM Computation

Encourage to answer the following exercises to practice your skills with VLSMs computation.

Objective:

Be able to perform VLSM computation properly.

1. What is the meaning of VLSM?

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   _____

2. Complete the following by computing the binary numbers to its decimal value equivalent and decimals value to binary value equivalent.

Binary	**Decimal**
11111111.11111111.1111111.11111000	
11111101.00001111.0001111.11100111	
11110111.01010101.1110010.11110101	
11010101.11101011.1101010.11101011	

Decimal	**Binary**
203.177.0.25	
220.35.10.9	
192.168.3.253	
10.1.2.12	

3. List down the valid subnet mask for each example below.

IP address	**Subnet Mask**
192.168.2.9/29	
192.168.3.25/28	
192.168.4.36/27	
192.168.5.69/26	
192.168.6.130/25	
192.168.7.254/24	
192.168.0.0/20	

4. Which routing protocol supports VLSM?

   _____
   _____
   _____

5. Can a subnet of 192.168.3.1/29 still create a sub-subnet and what would that be? YES/NO?

   _____
   _____

Thank you for answering the questionnaire I bet you got a 100% ☺