Subnetting Cheat-sheet

Netwo	rk: 192.168.0	0.0						
Subne	t Mask: 255.	255.255.0 (/24	1)					
1)	Convert both the given IP Address and Subnet Mask to binary							
	192.	168.	0.	0				
	1100 0000	1010 1000 00	000 0000 0000	0000				
	1111 1111	1111 1111 11	11 1111 0000	0000 (/24 subnet mask)			
			Network	Host				
2)	Perform a logical AND comparison of the binary values to determine the subnet/networ							
	address in binary form (1 AND 1 = 1, 1 AND 0 = 0, 0 AND 0 = 0)							
	1100 0000 1010 1000 0000 0000 0000							
	192	168	0	0				
3)	Convert all	the host bits ir	the network a	ddress	to 1 to determine the broadcast address			
	1100 0000 1010 1000 0000 0000 1111 1111							
	192	168	0	255				
	All the host	All the host bits are converted to 1 in the last octet : 255						
4)	Move onto the next subnet							
	1100 0000 1010 1000 0000 0001 0000 0000 (192.168.1.0)							
	Host IP address range: 192.168.0.1-254							
	Next subne	t: 192.168.1.0						
5)	Repeat step	os 1-4 for the r	next subnet(s)					