	CPSC 3600 (5P(ING 2021) Exam 1 AT
	Section 1
1.	TRUE (Host Routing)
2.	TRUE
3.	FALSE
٤.	TRUE (circuit Switching is better)
5.	FALSE
6.	FALSE (20 bytes, at least)
7.	TRUE
S.	TRUE
9.	DISTRIBUTED PROGRAMMING is
	eithres the middlewere softwere or the
	application software. <u>NETWORK PROGRAMMING</u> is a fundamental building block of a distributed system.
10.	- Abstraction of an end-to-end communications.
	pipe between two applications
•	- A programming API

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Section 2
1. D = 2 (6 Mhz) (1092 (4)) = 24,000,000 bits
2. 65, 535 bytes (16-bit unsigned int)
  130.127.64.2
       130 = 10000010
       64 = 01000000
          = 00000010
  In binary:
  10000010.0111111.01000000.00000010
4.130.127.64.2 is Class B 50 the
  directed broadcast address is under the
  subnet mask 255.259.0.0 and is:
       130,127,255.255
5. Class a addresses ove desired by the
  first 3 bits beins "110", meaning threre
   are only 21 network-defining bits left.
```

Each of these networks have 256 possible host numbers, although we don't count the hosts 0 and 255 as they are broadcast addresses. Thus the percentage is:

(2^21)(254)/(2132) ~ 12.4%

6. A total of 10 frames are sent: HOST B Host A [cache] ARP whois broadast 28 byte frame ARP whois broadcest, 28 byte Frame ARP jam reply 28 baste flame ARPiam reply 28 byte framo UDP packet 1500 bote framé Fragmented Packect 1000 boste Frame datagank fragmented packet. 520 bote some all samented packet (edno) 1000 byte packet fragmented partice (echo) datasmi

Section 3 1. The First byte 0x61, 2. The RTT time is langer on first iteration because the dient has to establish a connection with the serve before communicaling. After the first iteration is done, the connection is utill valid and thre is less for federe taps. Inet_ntoa (echo (Int Addr. sin_coldr), echo Clnt Addr. sin_port); cinal str cliaddilen. inet_ntop(AF_INET,&(echo(IntAddr.sin_addr), etc, cliAddrLevn); The last method I got from Beej's Coulde to Programming, simply print our for the ip address.