Informal Quiz 2

True or False?

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☐   ☐   The IP checksum protects the entire IP datagram

☐   ☐   The IP protocol itself maps IP addresses to LAN addresses and vice versa

☐   ☐   IP can run over networks with MTU 40 bytes

☐   ☐   IP and IPX (another layer 3 protocol) cannot multiplex a single SLIP line

☐   ☐   The MTU parameter is needed for address mapping

☐   ☐   The header length field uses units of 4-octets while the total length field uses units of 1-octet.

☐   ☐   If input peak rate is equal to average rate, spatial multiplexing of the resource is not possible.

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☐　☐　TCP can re-assemble IP fragments

☐　☐　Path-MTU refers to the procedure of finding the minimum MTU of the path to reduce the probability of fragmentation.

☐　☐　The checksum field is the 16-bit two's complement of the one's complement sum of all 16-bit words in the header.

☐　☐　TCP provides reliability only at a packet-level.

☐　☐　The TOS byte semantics is inconsistent with the IP model of providing only best-effort service.

☐　☐　Transport protocols are minimally required because IP does not provide application multiplexing support