1. **A network administrator is measuring the transfer of bits across the company backbone for a mission critical financial application. The administrator notices that the network throughput appears lower than the bandwidth expected. Which three factors could influence the differences in throughput? (Choose three.)**
   * the amount of traffic that is currently crossing the network
   * the sophistication of the encapsulation method applied to the data
   * the type of traffic that is crossing the network
   * the latency that is created by the number of network devices that the data is crossing
   * the bandwidth of the WAN connection to the Internet
   * the reliability of the gigabit Ethernet infrastructure of the backbone
2. **What are two characteristics of fiber-optic cable? (Choose two.)**
   * It is not affected by EMI or RFI.
   * Each pair of cables is wrapped in metallic foil.
   * It combines the technique of cancellation, shielding, and twisting to protect data.
   * It typically contains 4 pairs of fiber-optic wires.
   * It is more expensive than UTP cabling is.