

Network Basics Review

Student name _____ Date _____ Session _____

1. In your home, you have three phones, two smart TVs, and two PCs. They are connected to a wireless router so they can share an Internet connection, a printer, and stream video. Which basic network type is this considered to be?
2. A local flower shop hired you to network three computers, a printer, and their point-of-sale machine. The owner said she wanted you to install a server, but you do not think it is necessary. What facts can you share with the owner to convince her that it is not in her best interest to install a server?
3. The flower shop network would be considered to be what type of network geographically?
4. You connect each of the devices (computers, printer, POS) in the flower shop to a network switch. Which physical topology have you created?
5. Logically, the flower shop network will most likely use which topology?
6. The flower shop grew into a large company that distributes flowers across the US. They now have over one hundred computers on a client server network. They are interested in separating the network into sub networks (subnets) by departments (sales, management, human resources, shipping, etc.). What are the benefits of configuring the network in this manner?
7. The flower shop partnered with local flower businesses across the US to provide them with a steady supply of flowers and related products. They want to host a website on their network that will allow these businesses to access information on their orders and shipping status. This part of the private network is providing access to outside businesses. The website is not just part of the private network it is considered participating in what type of network?
8. All of the heating/air conditioning, lighting, fire systems, etc. in the flower shop, are interconnected wirelessly so they form network. This way, the shop can monitor and manage these systems from a central location. Afterall, if the temperatures are not maintained in a certain range, it could kill the flowers. What type of network is this considered to be?
9. The flower shop had one of their routers die and this resulted in the network down during for an entire day. The shop cannot afford to lose a days' worth of sales again, so they installed additional/redundant routers and network connections. What type of topology has the flower shop installed?
10. What type of cable is commonly used on a physical bus topology?