

## Lesson 4 Suggested Responses

### For the Venn Diagram:

#### Hardware Computing:

- Faster if specialized
- Will always be required
- Physical

#### Virtual Computing:

- More efficient use of hardware
- Better power efficiency (Use of idle power  $\approx$  busy power)
- Space efficiency
- Set up time much lower
- OS flexibility Application flexibility
- Remote management features & Internet

#### Both:

- Open to the students – really anything dealing with how they are both computers and can perform the same tasks.

#### For the discussion questions:

1. This is similar to the Venn Diagram. Strengths are ease of use, efficiency, being able to be “saved/reverted”, remote management. Weaknesses can be security concerns when machines are virtually accessible, can sometimes be pricey.
2. Similarities are in the underlying uses. Can use virtualization when only one physical server is available but several servers are needed, when you want easy remote access, need space efficiency, etc.