The following questions are selected from Chapter 1 (Pages 69-75).

**Question 1 [Points 3]**. P2 a (write a brief justification for your answer)

**Question 2 [Points 3]**. P5. a and b

**Question 3 [Points 3]**. P18

**Question 4 [Points 3]**. P22

**Question 5 [Points 5]**. P6 (pretty lengthy one)

**Question 6 [Points 3]**. Using http://www.cogentco.com and http://xostats.xo.com, traceroute between 128.82.5.38 and Washington, DC core router. (Go to http://www.traceroute.org/#USA) for direct links to both these sites. Show what they display and explain what it means.