Consult slide #45 of RIP lecture to answer the following questions based on multicast lecture.

Q1. For RPB algorithm of multicast routing, which of the following two routers will be selected as the designated router for Net 55 for a source connected to Net 08? Why?

   a) Router B  
   b) Router C

Q2. With RPF algorithm, can Net 92 receive two copies of the same multicast packet originated from a source connected to Net 08? Why or why not?

Q3. Router B, which implements RPF, receives a multicast packet from its right hand side interface. If the packet was sent by a source connected to Net 08, should Router B drop it or forward it to the other (left hand side) interface? Why or why not?