1. Drew Sadler
2. 152.221.54 is constant for the subnet, but the rest of the bits are what vary to show different addresses. So only the first 3 sets of bytes will stay constant. 0 and 255 vary
3. 152.221.54.0/12
4. 10011000.01001110.01100101.00100011/10100
5. 165.134.0.0/16
6. 24-bits are in the host identifier , 65,546 IP addresses assigned
7. C
8. D
9. 20.40.80.0/24 is the longer match
10. C