

4. A network technician is unable to access a server using port 443 from a machine with an IP address of 192.168.45.37.

Consider the following access control list (ACL) for the server's firewall.

| Rule Number | Allow/Deny | Direction | Protocol | Port | Source                        |
|-------------|------------|-----------|----------|------|-------------------------------|
| 1           | Allow      | Inbound   | TCP      | 22   | ALL                           |
| 2           | Allow      | Inbound   | TCP      | 80   | ALL                           |
| 3           | Deny       | Inbound   | TCP      | 443  | 192.168.0.0 - 192.168.255.255 |
| 4           | Allow      | Inbound   | ICMP     | ALL  | ALL                           |
| 5           | Allow      | Inbound   | TCP      | 3306 | ALL                           |
| 6           | Deny       | Inbound   | TCP      | 3389 | ALL                           |
| 7           | Allow      | Inbound   | TCP      | 443  | ALL                           |
| 8           | Allow      | Inbound   | TCP      | 587  | ALL                           |
| 9           | Deny       | Inbound   | TCP      | 8140 | 192.168.45.0 - 192.168.45.255 |
| 10          | Deny       | Inbound   | ALL      | ALL  | ALL                           |

Which of the following changes to the firewall would allow the network technician to access the server?

- (A) Swap firewall rule 1 with firewall rule 10
- (B) Swap firewall rule 3 with firewall rule 4
- (C) Swap firewall rule 3 with firewall rule 7
- (D) Swap firewall rule 4 with firewall rule 7