

Lab #9 - Assessment Worksheet

Authenticating Security Communications with Digital Signatures

Course Name and Number:

Student Name:

Instructor Name:

Lab Due Date:

Lab Assessment Questions

1. What are three uses for digital signatures?
2. Does a digital signature provide confidentiality? Why or why not?
3. If Roger wishes to digitally sign a message to Matthew, which key should he use to create the signature?

4. If Matthew receives a digitally signed message from Roger, which key should he use to verify the signature?

5. If Matthew wishes to digitally sign a message to Roger, which key should he use to digitally sign the message?

6. If Roger receives a digitally signed message from Matthew, which key should he use to verify the signature?

7. Can you view the contents of a signed message without the necessary public key?

8. If someone had unauthorized access to Roger's private key, would he be able to use it to sign documents as if he were authorized by Roger?