

- 1) If lowercase **a** maps to lowercase **h** in a Caesar cipher, how would the word **hi** be encrypted? Show how you arrived at your answer.
  
- 2) Find two web sites that you often use that provide a secure connection via https. Why do they need to provide this security?
  
- 3) Search for cookies on your machine to find two websites that have stored. Do you recognize these web sites?
  
- 4) Search online for email privacy or encryption tools that will work with your choice of email client (Outlook, Thunderbird, Entourage, Eudora, Pegasus Mail, Mutt, elm, etc.). Find one or two that will work with your email application. Are they free? Can you determine what encryption methods they use?
  
- 5) Search online for instant message privacy or encryption tools that will work with your choice of IM client (AIM, Gaim, Gtalk, etc.) Are they free? Can you determine what encryption methods they use?
  
- 6) Search online for firewall and anti-virus software. How much do they cost? For how long?