**CSCI 391 Practical Cryptology: Affine Cipher Lab Assignment Questions**

1. What programming language did you use and why?
2. What data structures did you use in your program to hold input/output?
3. What programming structure did you use to find multiplicative inverse?
4. How did you take care of conversion ASCII to numerical value 0 – 25 and back?
5. How did you check the validity of the input?
6. Encrypt the following plaintext **cat** using Affine Cipher with keys A= 5 and B = 9. Explain your answer. Write down all calculations that you perform. DON’T USE YOUR PROGRAM OR APPLET
7. Decrypt the following ciphertext **KLJY** that was encrypted using Affine cipher with keys A = 3 and B = 11. Explain your answer. Write down all calculations that you perform. DON’T USE YOUR PROGRAM OR APPLET

Write your answers below: