EOSC 211 – Week 4 – Pre-class Mini Quiz

Name:
Student #:

1. Given `A` is a 3x2 array and `B` is a 2x3 array, only one of the following expressions is correct. The other produces an error. **Circle the correct expression.** *Hint: It may not be obvious which expression is correct, but you certainly know which one produces an error…*

   `A*B`   `A.*B`

2. What is the transpose of the matrix C?
   ```
   C = [1 2 3;
        4 5 6;
        7 8 9]
   ```

3. How would you enter the following mathematical expression in Matlab?

   $$\left(\frac{5+7}{2}\right)^6$$

4. What does the following evaluate to:
   ```
   >> A = [1 0 0 1];
   >> B = [1 1 0 1];
   >> A|B
   ```

5. What does the following evaluate to:
   ```
   >> A = [1 0 0 -3];
   >> ~A
   ```