2.2 Quiz.

1. Assume that array c is defined as shown, and determine the contents of the following subarrays:
   
   \[
   c = \begin{bmatrix}
   1.1 & -3.2 & 3.4 & 0.6 & 0.6 & 1.1 & -0.6 & 3.1 & 1.3 & 0.6 & 5.5 & 0.0 \\
   \end{bmatrix}
   \]

   (a) \( \text{c ( 2, : )} \)
   (b) \( \text{c ( :, end) } \)
   (c) \( \text{c ( 1:2, 2:end )} \)
   (d) \( \text{c ( 6 )} \)
   (e) \( \text{c ( 4:end )} \)
   (f) \( \text{c ( 1:2, 2:4 )} \)
   (g) \( \text{c ( [1 3], 2 )} \)
   (h) \( \text{c ( [2 2], [3 3] )} \)

2. Determine the contents of array a after the following statements are executed.

   (a) \( \text{a = [ 1 2 3; 4 5 6; 7 8 9 ];} \)
      \( \text{a ( [3 1], : ) = a ( [1 3], : );} \)

   (b) \( \text{a = [ 1 2 3; 4 5 6; 7 8 9 ];} \)
      \( \text{a ( [1 3], : ) = a ( [2 2], : );} \)

   (c) \( \text{a = [ 1 2 3; 4 5 6; 7 8 9 ];} \)
      \( \text{a = a ( [2 2], : );} \)

3. Determine the contents of array a after the following statements are executed.

   (a) \( \text{a = eye (3, 3);} \)
      \( \text{b = [ 1 2 3 ];} \)
      \( \text{a ( 2, : ) = b;} \)

   (b) \( \text{a = eye (3, 3);} \)
      \( \text{b = [ 4 5 6 ];} \)
      \( \text{a ( :, 3 ) = b;} \)

   (c) \( \text{a = eye (3, 3);} \)
      \( \text{b = [ 7 8 9 ];} \)
      \( \text{a ( 3, : ) = b ( [3 1 2 ]);} \)