2.2 Quiz.

1. Assume that array c is defined as shown, and determine the contents of the following subarrays:

   \[ c = \begin{bmatrix} 1.1 & -3.2 & 3.4 & 0.6 & 0.6 & -0.6 & 3.1 & 1.3 & 0.6 & 5.5 & 0.0 \end{bmatrix} \]

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

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

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

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

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

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

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

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

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