**King Saud University**

**Third Homework**

**352 math**



**Part 1 ( Matrix Operations)**

1. Write any correct Matlab code to create a matrix M that is 5x5 array of zeros with a 1 in the middle of it.
2. Suppose Q is a vector. Write any correct Matlab code to change any 1 in the vector to 5.

for example:

if Q= , then it should become

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**Part 2** **(Plotting)**

Write any correct Matlab code to plot and satisfying the following:

* The graph’s color of *f* is blue and *g* is green.
* Label the axis as x-axis and y-axis.
* Point to the intersection points with red arrows.
* Name the Graph.