1. Show the result of the following matlab commands

   \begin{verbatim}
   for i=10:-1:1
       disp(i)
   end
   
   for i=10:1
       disp(i)
   end
   
   for i=1:3:16
       disp(i)
   end
   
   for i=1:3:18
       disp(i)
   end
   \end{verbatim}

2. Say in words what the following matlab commands do (A is a matrix of size 10 × 10)

   1. \[A(2,3:10) = A(2,3:10) - 0.5*A(1,3:10);\]
   2. \[A(2,:) = A(2,:) - 0.5*A(1,:);\]
   3. \[A(:,2) = A(:,2) + A(:,10);\]