

# ASSIGNMENT

1. What will be displayed if the following commands are executed by MATLAB

$a = 2 : 2 : 20$	$b = a(4 : 8)$
$c = a(1 : 2 : 7)$	$d = a(8 : -1 : 4)$

2. What will be displayed if the following commands are executed by MATLAB

$x = 0 : 3 : 25$	$e = [x(2 : 5) \ x(\text{end}) \ x(\text{end}-1) \ x(\text{end}-2)]$
$f = [x(\text{end}-2)/6 \ x(\text{end}-1)/7 \ x(\text{end})/8]$	$g = [x(\text{end}-2) \ x(\text{end}-1) \ x(\text{end})]$
$h = [x(1)+6 \ x(2)+3 \ x(3)+0 \ a(4)*0]$	

3. Define the vector  $v = [1 \ 3 \ 5 \ 7 \ 4 \ 9]$ . Then use the vector in a mathematical expression to create the following vectors :

$a = [3 \ 9 \ 15 \ 21 \ 12 \ 27]$	$b = [1 \ 9 \ 25 \ 49 \ 16 \ 81]$	$c = [1 \ 1 \ 1 \ 1 \ 1 \ 1]$	$d = [6 \ 6 \ 6 \ 6 \ 6 \ 6]$
$e = [-9 \ -9 \ -9 \ -9 \ -9 \ -9]$	$f = [1 \ 27 \ 125 \ 343 \ 64 \ 729]$	$g = [1 \ 81 \ 625 \ 2401 \ 256 \ 6561]$	

