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ME261

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**Homework 2**

**PROBLEM 1.**

**A >>a = 2: 3: 8**

a = 2 5 8

>>Size = size(a)

size = 1 3

**B >>b = [a’,a’,a’]**

b =

2 2 2

5 5 5

8 8 8

>>Size = size(b)

Size = 3 3

**C >>c = b(1:2:3, 1:2:3)**

c =

2 2

8 8

>>Size = size(c)

Size = 2 2

**D >>d = a + b(2,:)**

d =

7 10 13

>>Size = size(d)

Size = 1 3

**E >>b([1,3],2) = b([3,1],2)**

b =

2 8 2

5 5 5

8 2 8

>>Size = size(b)

Size = 1 3

**F >>g = 5:-1:1**

g =

5 4 3 2 1

>>Size = size(g)

Size = 5 1

**PROBLEM 2**

>> array1 = [1.1,0.0,-2.1,-3.5,6.0;0.0,-3.0,-5.6,2.8,4.3;2.1,0.3,0.1,-0.4,1.3;-1.4,5.1,0.0,1.1,-3.0];

**A**

>> array1(3,:)

ans = 2.1000 0.3000 0.1000 -0.4000 1.3000

**B**

>> array1(:,3)

ans =

-2.1000

-5.6000

0.1000

0

**C**

>> array1(1:2:3,[3 3 4])

ans =

-2.1000 -2.1000 -3.5000

0.1000 0.1000 -0.4000

D

>> array1 ([1 1], :)

ans =

1.1000 0 -2.1000 -3.5000 6.0000

1.1000 0 -2.1000 -3.5000 6.0000