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clc
clear
disp('Name and Date:          Jeremy Stark 01/30/2019');
disp('Course and Section:    ENGR297 and class # 22749');
disp('Problem:               Matlab Homework 3');
disp('Statement:            Using matlab to work with matrices');
disp(' ');

jeremy = [5 2 4; 1 7 -3; 6 -10 0];
joseph = [11 5 -3; 0 -12 4; 2 6 1];
stark = [7 14 1; 10 3 -2; 8 -5 9];
disp('Chapter 3 problem 14');
disp('a');
disp('jeremy + joseph');
disp(jeremy+joseph);

disp('joseph + jeremy');
disp(joseph+jeremy);

disp('b');
disp('jeremy + (joseph + stark)');
disp(jeremy + (joseph + stark));

disp('(jeremy + joseph) + stark');
disp((jeremy + joseph) + stark);

disp('c');
disp('5*(jeremy + stark)');
disp(5*(jeremy + stark));

disp('5*jeremy + 5*stark');
disp(5*jeremy + 5*stark);

disp('d');
disp('jeremy*(joseph + stark)');
disp(jeremy*(joseph + stark));

disp('jeremy*joseph + jeremy*stark');
disp(jeremy*joseph + jeremy*stark);

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Chapter 3 problem 14

a)

```

jeremy + joseph
    16.00         7.00         1.00
         1.00        -5.00         1.00
         8.00        -4.00         1.00

joseph + jeremy
    16.00         7.00         1.00

```

1.00	-5.00	1.00
8.00	-4.00	1.00

b)

jeremy + (joseph + stark)

23.00	21.00	2.00
11.00	-2.00	-1.00
16.00	-9.00	10.00

(jeremy + joseph) + stark

23.00	21.00	2.00
11.00	-2.00	-1.00
16.00	-9.00	10.00

c)

5*(jeremy + stark)

60.00	80.00	25.00
55.00	50.00	-25.00
70.00	-75.00	45.00

5*jeremy + 5*stark

60.00	80.00	25.00
55.00	50.00	-25.00
70.00	-75.00	45.00

d)

jeremy*(joseph + stark)

150.00	81.00	34.00
58.00	-47.00	-18.00
8.00	204.00	-32.00

jeremy*joseph + jeremy*stark

150.00	81.00	34.00
58.00	-47.00	-18.00
8.00	204.00	-32.00