

```

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 prove trigonometric equations as well as generate an
d manipulate vectors.');
```

disp(' ');

disp('#11');

alpha = (5*pi)/9;
beta = pi/7;

left_stark = cos(alpha) - cos(beta)
right_stark = 2*sin((alpha + beta)/2) * sin((beta - alpha)/2)

disp(' ');

disp('#8');

Afirst = 3:4:51
Asecond(1:7) = [Afirst(1:4) Afirst(11:13)]

```

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```

#11

left_stark =

-1.07

right_stark =

-1.07

#8

Afirst =

Columns 1 through 5

3.00	7.00	11.00	15.00	19.00
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Columns 6 through 10

23.00	27.00	31.00	35.00	39.00
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Columns 11 through 13

43.00	47.00	51.00
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Asecond =

Columns 1 through 5

3.00	7.00	11.00	15.00	43.00
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Columns 6 through 7

47.00	51.00
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