a= 5.23e-3

b= 4+5i

c= sind(30)

d= log10(3)

p= c^2 + d^a

q= (b^2 + 3\*d + (a\*d))/(a\*c)

r= 20\*a - d - exp(3)

A= [2 -3 1; 3.8 5 5; 2 -2 0]

B= [1 -2 -0.9; 2 3e-8 5]

f= [1; 4; 5]

g= [(20 + i) (-8 -i)]

P= (A^(1/3))\*f + 5

Q= g\*B\*f

R= B\*A^4

N= [1 2 -0.2; 0 -3 6; 1 1 -9]

M= [5; 3; 1]

X= inv(N)\*M

x\_1= X(1)

x\_2= X(2)

x\_3= X(3)

xa= linspace(0, 6)

ya= 10\*xa + 3

plot(xa, ya)

xlabel('x')

ylabel('y')

title('graph xa')

xb= linspace(0, 2\*pi)

yb= sin(xb) + 1.5\*cos(xb+(pi/3))

plot(xb, yb)

xlabel('x')

ylabel('y')

title('graph xb')

OUTPUTS

ya =

Columns 1 through 11

3.0000 3.6061 4.2121 4.8182 5.4242 6.0303 6.6364 7.2424 7.8485 8.4545 9.0606

Columns 12 through 22

9.6667 10.2727 10.8788 11.4848 12.0909 12.6970 13.3030 13.9091 14.5152 15.1212 15.7273

Columns 23 through 33

16.3333 16.9394 17.5455 18.1515 18.7576 19.3636 19.9697 20.5758 21.1818 21.7879 22.3939

Columns 34 through 44

23.0000 23.6061 24.2121 24.8182 25.4242 26.0303 26.6364 27.2424 27.8485 28.4545 29.0606

Columns 45 through 55

29.6667 30.2727 30.8788 31.4848 32.0909 32.6970 33.3030 33.9091 34.5152 35.1212 35.7273

Columns 56 through 66

36.3333 36.9394 37.5455 38.1515 38.7576 39.3636 39.9697 40.5758 41.1818 41.7879 42.3939

Columns 67 through 77

43.0000 43.6061 44.2121 44.8182 45.4242 46.0303 46.6364 47.2424 47.8485 48.4545 49.0606

Columns 78 through 88

49.6667 50.2727 50.8788 51.4848 52.0909 52.6970 53.3030 53.9091 54.5152 55.1212 55.7273

Columns 89 through 99

56.3333 56.9394 57.5455 58.1515 58.7576 59.3636 59.9697 60.5758 61.1818 61.7879 62.3939

Column 100

63.0000

xb =

Columns 1 through 11

0 0.0635 0.1269 0.1904 0.2539 0.3173 0.3808 0.4443 0.5077 0.5712 0.6347

Columns 12 through 22

0.6981 0.7616 0.8251 0.8885 0.9520 1.0155 1.0789 1.1424 1.2059 1.2693 1.3328

Columns 23 through 33

1.3963 1.4597 1.5232 1.5867 1.6501 1.7136 1.7771 1.8405 1.9040 1.9675 2.0309

Columns 34 through 44

2.0944 2.1579 2.2213 2.2848 2.3483 2.4117 2.4752 2.5387 2.6021 2.6656 2.7291

Columns 45 through 55

2.7925 2.8560 2.9195 2.9829 3.0464 3.1099 3.1733 3.2368 3.3003 3.3637 3.4272

Columns 56 through 66

3.4907 3.5541 3.6176 3.6811 3.7445 3.8080 3.8715 3.9349 3.9984 4.0619 4.1253

Columns 67 through 77

4.1888 4.2523 4.3157 4.3792 4.4427 4.5061 4.5696 4.6331 4.6965 4.7600 4.8235

Columns 78 through 88

4.8869 4.9504 5.0139 5.0773 5.1408 5.2043 5.2677 5.3312 5.3947 5.4581 5.5216

Columns 89 through 99

5.5851 5.6485 5.7120 5.7755 5.8389 5.9024 5.9659 6.0293 6.0928 6.1563 6.2197

Column 100

6.2832

yb =

Columns 1 through 11

0.7500 0.7295 0.7061 0.6799 0.6509 0.6192 0.5851 0.5487 0.5100 0.4693 0.4267

Columns 12 through 22

0.3823 0.3364 0.2892 0.2408 0.1915 0.1413 0.0906 0.0395 -0.0117 -0.0629 -0.1138

Columns 23 through 33

-0.1643 -0.2141 -0.2630 -0.3109 -0.3575 -0.4027 -0.4463 -0.4881 -0.5279 -0.5656 -0.6010

Columns 34 through 44

-0.6340 -0.6644 -0.6922 -0.7171 -0.7392 -0.7583 -0.7744 -0.7873 -0.7971 -0.8037 -0.8070

Columns 45 through 55

-0.8070 -0.8039 -0.7975 -0.7878 -0.7750 -0.7591 -0.7401 -0.7182 -0.6933 -0.6657 -0.6354

Columns 56 through 66

-0.6025 -0.5672 -0.5296 -0.4899 -0.4482 -0.4047 -0.3596 -0.3130 -0.2651 -0.2162 -0.1665

Columns 67 through 77

-0.1160 -0.0651 -0.0139 0.0373 0.0884 0.1391 0.1893 0.2387 0.2871 0.3344 0.3803

Columns 78 through 88

0.4247 0.4674 0.5082 0.5470 0.5836 0.6178 0.6495 0.6786 0.7050 0.7286 0.7492

Columns 89 through 99

0.7668 0.7813 0.7926 0.8008 0.8057 0.8074 0.8059 0.8011 0.7930 0.7818 0.7675

Column 100

0.7500