A =

 15 14 11

 5 18 2

 10 20 3

b =

 -5

 7

 -5

x =

 -3.3767

 1.0083

 2.8667

ans =

 -600

ans =

 3

ans =

 52

ans =

 36.0302

ans =

 40

ans =

 1.0000 -36.0000 149.0000 600.0000

V =

 -0.7406 -0.8944 -0.5647

 -0.3855 0.4472 0.0575

 -0.5504 0.0000 0.8233

D =

 30.4621 0 0

 0 8.0000 0

 0 0 -2.4621

U =

 -0.6083 0.7726 -0.1820

 -0.4970 -0.5495 -0.6716

 -0.6189 -0.3181 0.7182

S =

 36.0302 0 0

 0 10.1555 0

 0 0 1.6398

V =

 -0.4940 0.5573 0.6674

 -0.8282 -0.5354 -0.1659

 -0.2648 0.6346 -0.7260

W =

 0.6674 0.5573 0.4940

 -0.1659 -0.5354 0.8282

 -0.7260 0.6346 0.2648

L =

 1.0e+003 \*

 0.0027 0 0

 0 0.1031 0

 0 0 1.2982

Q =

 -0.8018 0.5179 -0.2981

 -0.2673 -0.7570 -0.5963

 -0.5345 -0.3984 0.7454

R =

 -18.7083 -26.7261 -10.9577

 0 -14.3427 2.9881

 0 0 -2.2361

y =

 -3.3767

 1.0083

 2.8667

ans =

 1.7902e-015