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## HW 9

Liam Hood

### 12.1.4

### 12.2.5a

$Qbar =$

0.5770	0.4088	0.7071
-0.5775	-0.4080	0.7071
0.5775	-0.8164	0.0007

$lam =$

1.9967
0.5003
-0.4971

### 12.3

$U$

0.8944	0.4472
-0.4472	0.8944

$S$

0.5000	0
0	2.0000

$V$

-0.8944	0.4472
0.4472	0.8944

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# Functions

*Warning: Matrix is close to singular or badly scaled. Results may be inaccurate.*  
RCOND = 4.111937e-18.

*Warning: Matrix is close to singular or badly scaled. Results may be inaccurate.*  
RCOND = 4.625929e-18.

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*Warning: Matrix is close to singular or badly scaled. Results may be inaccurate.*  
RCOND = 1.541976e-18.

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RCOND = 1.482927e-17.

*Warning: Matrix is close to singular or badly scaled. Results may be inaccurate.*  
RCOND = 1.609792e-17.



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RCOND = 8.657096e-18.  
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