```matlab
% ECE 4560 - Homework 7, Problem 2
% Caitlyn Caggia

disp('exponent function in SE(3)')
g = SE3.exp([2; 1; -3; pi/10; -pi/4; pi/9], 2)

disp('logarithm function in SE(3)')
ln = log(g, 2)
```

exponent function in SE(3)
```
   -0.1084   -0.7389   -0.6650    4.6977
   -0.0015    0.6691   -0.7432    4.5839
    0.9941   -0.0795   -0.0737   -0.8141
         0         0         0    1.0000
```

logarithm function in SE(3)

ln =

```
    2.0000
    1.0000
   -3.0000
    0.3142
   -0.7854
    0.3491
```

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