```
%ECE 4560 - Homework 4, Problem 3
%Caitlyn Caggia

gH21 = SE2([-3.151; -3.906], -7*pi/12);
gH2O = SE2([3.243; 2.512], acos(-0.131));
gKH = SE2([3;-1], -pi/4);

%part a
gH1O = adjoint(gH2O, gH21)

%part b
gK2O = adjoint(gKH, gH2O)

%part c
gK1O = adjoint(gKH, gH1O);
gK2K1 = gK2O * inv(gK1O)
```

```
gH1O =

   -0.1310   -0.9914   -5.8491
    0.9914   -0.1310   -5.0765
         0         0    1.0000


gK2O =

    0.7071    0.7071   -0.2280
   -0.7071    0.7071    6.1340
         0         0    1.0000


gK2K1 =

    1.0000    0.0000   -2.7029
    0.0000    1.0000    8.6517
         0         0    1.0000
```

Published with MATLAB® R2017a