```matlab
% ECE 4560 - Homework 4, Problem 1
% Caitlyn Caggia

g1 = SE2([1;2], pi/3);
g2 = SE2([-2,1], pi/6);

z = adjoint(g2, g1)
```

z =

    0.8660   -0.5000   -0.7321
    0.5000   0.8660   -1.4641
         0   0   1.0000

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