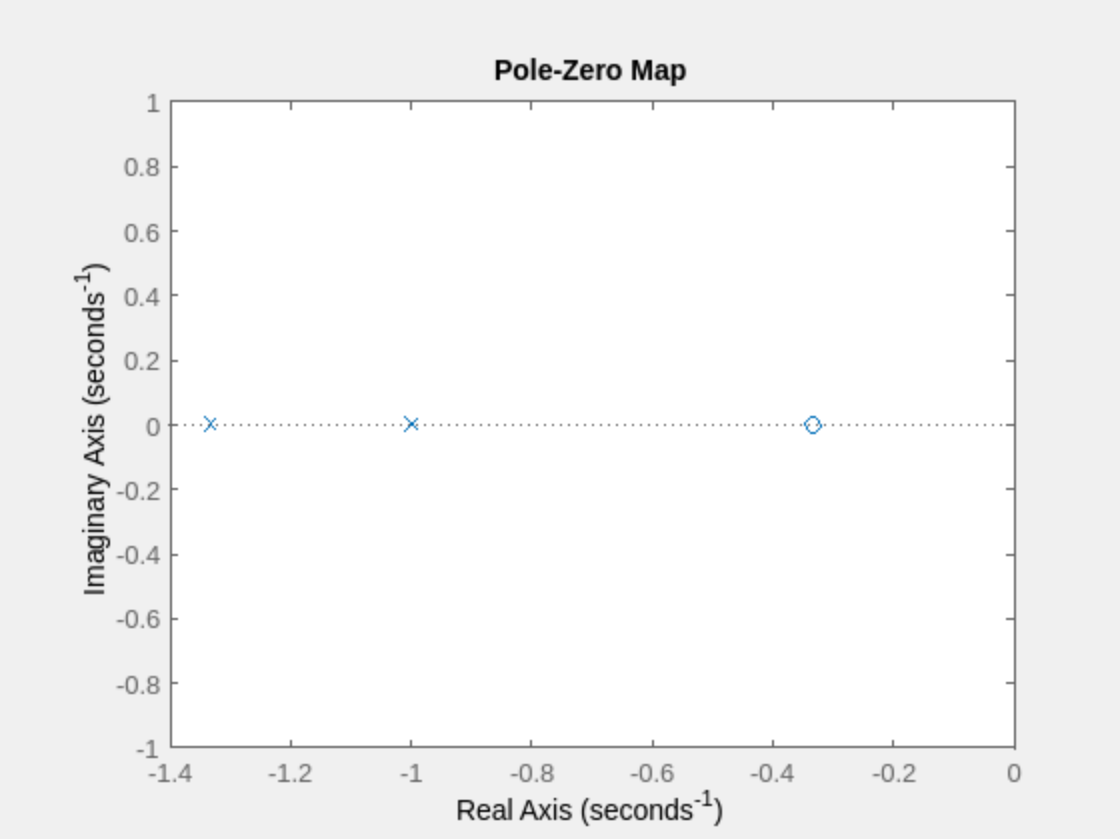
Question 5

```
% verify the findings of question 3
A = [[-2 -2];[1/3 -1/3]];
B = [2;0];
C = [1 0];
D = 0;

sys = ss(A,B,C,D);

% transfer function via zpk
zpk(sys)

% zeroes and poles via ss2zp
[Z,P] = ss2zp(A,B,C,D)

% pole zero map via pzmap
pzmap(sys)
```

```
ans =

   2 (s+0.3333)
  ---------------
  (s+1.333) (s+1)

Continuous-time zero/pole/gain model.

Z =

   -0.3333


P =

   -1.3333
   -1.0000
```



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