2018 Fall EECS205003 Linear Algebra - Quiz 1 (solution)

Name:

ID:

1. Draw and write down the row picture and column picture for the equations x-3y = -1, 2x+y = 5, and give a reason why sometimes we prefer to use column picture than row picture.

Ans:



The row picture has two lines meeting at the solution (2, 1).



2.We can use column picture to know the linear combination of the columns can fill n-D space or not.