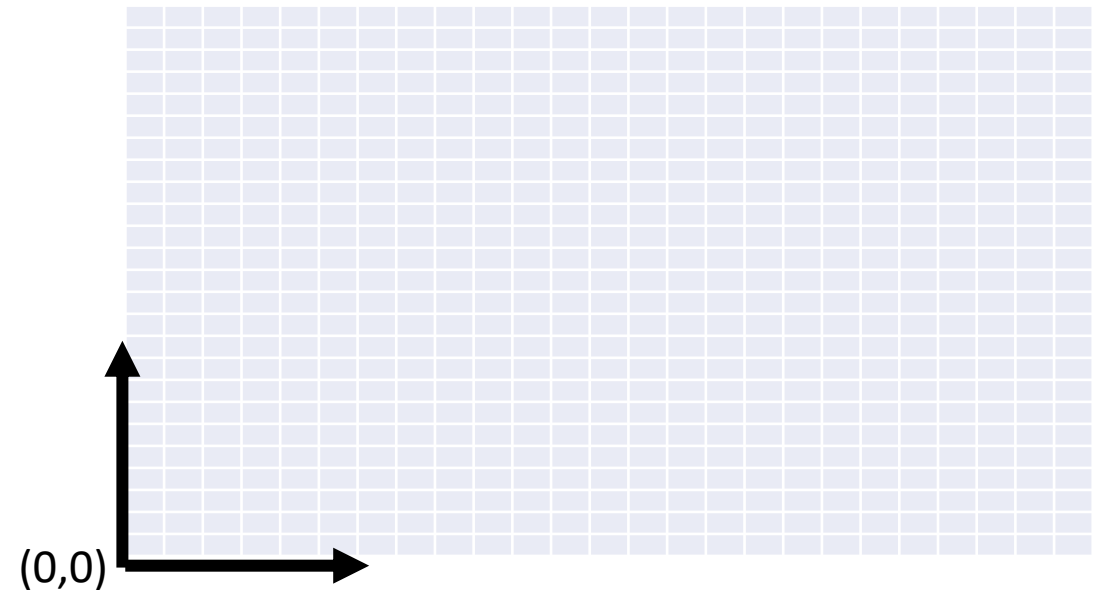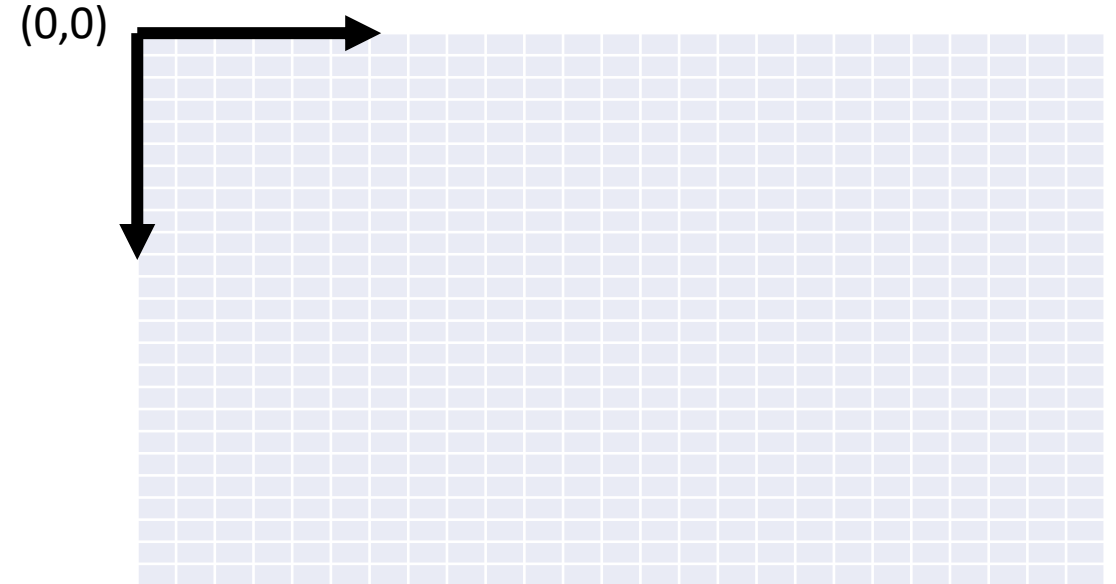**Algorithms and applications in computer vision, Spring 2021, Quiz #8**
Due: May 30, 23:59 PM

1) Consider 2 cameras, with pixels of height =1mm, width =2mm and focal length=20mm. The sensor is 1080 pixels high and 1920 pixels wide. One of the cameras is returning an image with the origin at the top left corner and one of them an image with origin in the bottom left, see illustrated grid. Write down the intrinsic camera matrix of both cameras.

(0,0)

(0,0)

2) We place our camera on the ceiling looking **down** at the audience. The camera center is placed at C=(-0.1,10,2) meters. Write down the extrinsic camera matrix.