CS558 - Quiz 6

Student Name: _____

1.- Consider a 2D rotation matrix operating on a 2D point (x,y), is there a point which after being pre-multiplied by the rotation matrix remains constant? Explain

2.- Consider a 2D point in homogeneous coordinates (x,y,1), write a single linear operation matrix operation that yields the 2D vector (3x+5,4y+6) in non-homogeneous coordinates. Howwould your matrix change if you were required yo generate the output in homogeneous coordinates?