Name:	Sort #:	

Worksheet 3 Matrix Equations & Solution Sets

MATH 2250, Fall 2018

1. Write the soluton of the homogeneous system below in parametric vector form.

2. Determine if the solution has a non-trivial solution. If the solution involves a free variable write your solution in parametric vector form.

$$2x_1 - 5x_2 + 8x_3 = 0
-2x_1 - 7x_2 - x_3 = 0
4x_1 + 2x_2 - 7x_3 = 0$$
(2)