Name:

Show all work clearly and in order. Please box your answers. 10 minutes.

1. Determine if the following system of linear equations is consistent:

2. Consider the following system of linear equations:

- (a) Find the reduced row echelon form (RREF) of the augmented matrix A of the given system.
- (b) What are the pivot columns in A?
- (c) What is the rank of A?
- (d) If the system is consistent write the solution in parametric form.