1. Determine whether each of the following statements is true (T) or false (F).

   (a) (2 points) If a system of linear equations is consistent, then it must have exactly one solution.

   (a) __________

   (b) (2 points) A system of 2 equations in 3 unknowns can have only 0 or infinitely many solutions.

   (b) __________

2. (6 points) Find all solutions of the following system of linear equations:

   
   \[
   x_1 - x_2 - x_3 = 0 \\
   x_1 + x_2 + x_3 = 6 \\
   x_1 + 2x_2 - 2x_3 = 1
   \]

   Find all solutions of the following system of linear equations: