Name:		
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**Directions:** Show all work. No credit for answers without work.

1. [4 points] Solve the following linear system.

2. [3 points] Give an example of an inconsistent linear system with two equations Eq1 and Eq2 such that each equation individually has infinitely many solutions.

3. [3 points] The following augmented matrix represents a linear system. Find all values for h that make the system consistent. (Hint: simplify the second and third rows as much as possible before involving h in your computation. Avoid fractions if possible.)

$$\left[\begin{array}{ccc} -1 & h & 30 \\ 5 & -2 & -24 \\ 3 & 2 & 8 \end{array}\right]$$