## R. Bruner Math 2250, Fall 2015, Quiz 2 September 16, 2015

1. Convert to reduced row-echelon form:

[	3	3	4	5	10
	1	1	-1	-3	1
	0	0	2	4	2

2. Use your answer to problem 1 to write the general solution to the corresponding inhomogeneous system of equations,

$3x_1$	+	$3x_2$	+	$4x_3$	+	$5x_4$	=	10
$x_1$	+	$x_2$	_	$x_3$	_	$3x_4$	=	1
				$2x_3$	+	$4x_4$	=	2

- 3. Give one particular solution to this inhomogeneous system of equations.
- 4. Write the general solution to the corresponding homogeneous system of equations.