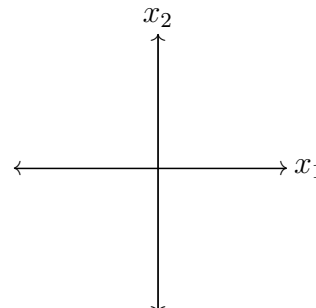


Math 304 Section 1 Quiz 11

7/28/16

Name: \_\_\_\_\_

1. Find a basis for the null space of  $A = \begin{bmatrix} 1 & 2 \\ 2 & 4 \end{bmatrix}$ .
2. Let  $\mathbf{b} = \begin{bmatrix} -1 \\ -2 \end{bmatrix}$ . Verify that the system  $A\mathbf{x} = \mathbf{b}$  is consistent and write the set of solutions in vector parametric form.
3. Draw a picture of the set of solutions to  $A\mathbf{x} = \mathbf{b}$  on the graph below.



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