

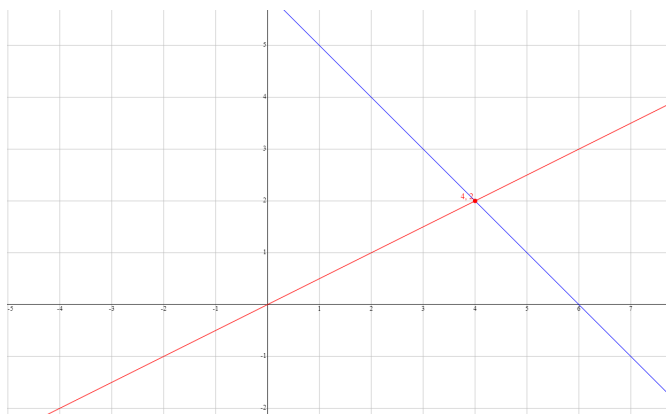
2017 Fall EE203001 Linear Algebra - Quiz 1 (solution)

Name:

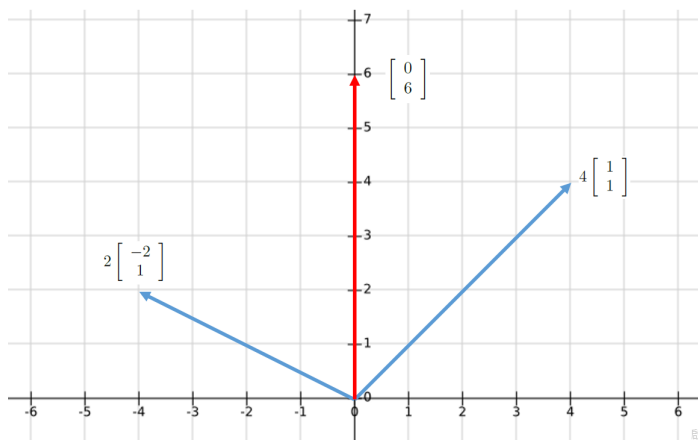
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1. Draw and write down the row and column pictures for the equations $x - 2y = 0$, $x + y = 6$.

Ans:



The row picture has two lines meeting at the solution $(4, 2)$.



The column picture will have $4 \begin{bmatrix} 1 \\ 1 \end{bmatrix} + 2 \begin{bmatrix} -2 \\ 1 \end{bmatrix} = 4(\text{column1}) + 2(\text{column2}) = \text{right side} \begin{bmatrix} 0 \\ 6 \end{bmatrix}$