

Name _____ Linear Algebra, Quiz 1

1) Find $\begin{bmatrix} 1 \\ 2 \\ 4 \end{bmatrix} + 3 \begin{bmatrix} 2 \\ 0 \\ 1 \end{bmatrix}$

2) Find the span of $\left\{ \begin{bmatrix} 1 \\ 2 \end{bmatrix}, \begin{bmatrix} 1 \\ 3 \end{bmatrix} \right\}$

3) On the axis below, graph $\{c\vec{v} \mid c \geq 0\}$ for a vector $\vec{v} \in \mathbb{R}^2$ of your choice.

$\vec{v} =$

