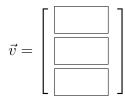
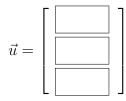
Let

$$\vec{x} = \begin{bmatrix} 1 \\ 3 \\ 0 \end{bmatrix}$$
 and  $y = \begin{bmatrix} 2 \\ -3 \\ 1 \end{bmatrix}$ .

Find the vectors  $\vec{v}=7\vec{x}$ ,  $\vec{u}=\vec{x}+\vec{y}$ , and  $\vec{w}=7\vec{x}+\vec{y}$ .



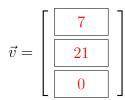


$$ec{w} = \left[ \begin{array}{c} line{ } \ li$$

Let

$$\vec{x} = \begin{bmatrix} 1 \\ 3 \\ 0 \end{bmatrix}$$
 and  $y = \begin{bmatrix} 2 \\ -3 \\ 1 \end{bmatrix}$ .

Find the vectors  $\vec{v} = 7\vec{x}$ ,  $\vec{u} = \vec{x} + \vec{y}$ , and  $\vec{w} = 7\vec{x} + \vec{y}$ .



$$\vec{u} = \begin{bmatrix} 3 \\ 0 \\ 1 \end{bmatrix}$$

$$\vec{w} = \begin{bmatrix} 9 \\ 18 \\ 1 \end{bmatrix}$$