a) (2) (3)		b) (8) (-4)		
Vector $\boldsymbol{m} = \begin{pmatrix} 2 \\ k \end{pmatrix}$ and vector $\boldsymbol{n} = \begin{pmatrix} 3 \\ 11 \end{pmatrix}$.		Vector $\boldsymbol{m} = \binom{8}{k}$ and vector $\boldsymbol{n} = \binom{-4}{6}$.		
Vector $2\boldsymbol{m} + \boldsymbol{n}$ is parallel to $\begin{pmatrix} 1 \\ -1 \end{pmatrix}$.		Vector $2m + n$ is parallel to $\begin{pmatrix} 3 \\ -2 \end{pmatrix}$.		
Find the value of k.		Find the value of k.		
What is the vector 2 m ?	$2\boldsymbol{m} = \begin{pmatrix} 4\\ 2k \end{pmatrix}$	What is the vector 2 m ?	$2\boldsymbol{m} = \begin{pmatrix} 16\\ 2k \end{pmatrix}$	
What is the vector $2m + n$?	$2\boldsymbol{m} + \boldsymbol{n} = \begin{pmatrix} 4+3\\2k+11 \end{pmatrix} = \begin{pmatrix} 7\\2k+11 \end{pmatrix}$	What is the vector $2m + n$?	$2m + n = \binom{16 + (-4)}{2k + 6} = \binom{12}{2k + 6}$	
If $2m + n$ is parallel to $\begin{pmatrix} 1 \\ -1 \end{pmatrix}$, what is the multiplier so that the changes in the x-direction are equal?	$\begin{pmatrix} 1\\ -1 \end{pmatrix} \times 7 = \begin{pmatrix} 7\\ -7 \end{pmatrix}$	If $2m + n$ is parallel to $\binom{3}{-2}$, what is the multiplier so that the changes in the x-direction are equal?	$\binom{3}{-2} \times 4 = \binom{12}{-8}$	
How can we form an equation using the changes in the y- direction?	$\binom{7}{-7} = \binom{7}{2k+11}$ $2k+11 = -7$	How can we form an equation using the changes in the y- direction?		
What is the value of k?	2k + 11 = -7 $2k = -18$ $k = -9$	What is the value of k?		
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c) Vector $\boldsymbol{m} = \binom{k}{3}$ and vector \boldsymbol{n}		d) Vector $\boldsymbol{m} = \binom{2}{k}$ and vector $\boldsymbol{n} = \binom{4}{-5}$. Vector $\boldsymbol{m} - 2\boldsymbol{n}$ is parallel to $\binom{-2}{5}$.
Vector 3 $m{m}-m{n}$ is parallel to ($\begin{pmatrix} \mathbf{r} \\ \mathbf{r} \\ \mathbf{r} \end{pmatrix}$.	
Find the value of k.		Find the value of k.
What is the vector 3 m ?	$3m = \binom{3k}{9}$	
What is the vector $3m - n$?	$3m + n = \binom{3k - (-3)}{9 - 6} = \binom{3k + 3}{3}$	
If $3m - n$ is parallel to $\binom{4}{1}$, what is the		
multiplier so that the changes in the y- direction are equal?		
How can we form an equation using the changes in the x- direction?		
What is the value of k?		
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