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| **Multiplying Vectors** |
| **(a)** | **(b)** | **(c)** | **(d)** |
| The vector $a$is shown. Draw the vector $2a$. | The vector $b$is shown. Draw the vector $3b$. | The vector $c$is shown. Draw the vector $-c$. | The vector $d$is shown. Draw the vector $-2d$. |
| **(e)** |  **(f)** | **(g)** |
| The vector $3e$is shown. Draw the vector $2e$. | The vector $2f$is shown. Draw the vector $-f$. |  | $$g=\left(\begin{matrix}1\\2\end{matrix}\right)$$Draw and write down the column vector for (i) $2g$ (ii) $-g$ (iii) $-3g$ |
| **(i)** | **(j)** | **(k)** | **(l)** |
| $$a=\left(\begin{matrix}-2\\5\end{matrix}\right)$$Find $4a$ | $$b=\left(\begin{matrix}6\\-3\end{matrix}\right)$$Find $-2b$ | $$c=\left(\begin{matrix}-3\\-12\end{matrix}\right)$$Find $\frac{2}{3}c$ | $$-3d=\left(\begin{matrix}3\sqrt{2}\\-6\end{matrix}\right)$$Find $d$ |