**Activity Multiplying vectors by a scalar**

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| $$a= \left(\genfrac{}{}{0pt}{}{2}{4}\right)$$$$b= \left(\genfrac{}{}{0pt}{}{-1}{-2}\right)$$$$c = \left(\genfrac{}{}{0pt}{}{1}{3}\right)$$ |  |  | Express the following vectors in terms of a, b and/or c: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  | **e** |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | **g** |  |  |  |  |
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|  | **d** |  |  |  |  |  |  |  | **f** |  |  |  |  |  |  |  |  |
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**Answer key**

d = 2c

e = -a

f = c – b

g = 0.5a