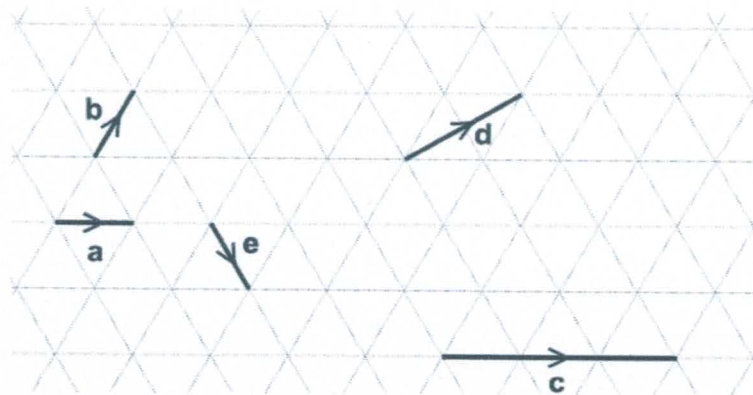


Vectors (H & F)

A collection of 9-1 Maths GCSE Sample and Specimen questions from AQA, OCR, Pearson-Edexcel and WJEC Eduqas.

Name:	
Total Marks:	

1. Vectors a , b , c , d and e are drawn on an isometric grid.



Write each of the vectors c , d and e in terms of a and/or b .

$c = 3a$
 $d = a + b$
 $e = a - b$

[3]

2. $\mathbf{a} = \begin{pmatrix} 5 \\ -2 \end{pmatrix}$ and $\mathbf{b} = \begin{pmatrix} -2 \\ 3 \end{pmatrix}$

Circle the vector $\mathbf{a} - \mathbf{b}$

$$\begin{pmatrix} -3 \\ -5 \end{pmatrix}$$

$$\begin{pmatrix} 3 \\ 1 \end{pmatrix}$$

$$\begin{pmatrix} 7 \\ 1 \\ 7 \\ -5 \end{pmatrix}$$

[1]