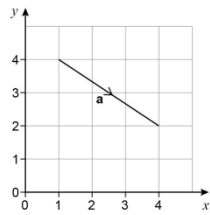


Q1. (2020)

2 Here is vector $\mathbf{a}$.



Circle the column vector that represents $\mathbf{a}$.

[1 mark]

$\begin{pmatrix} 3 \\ 2 \end{pmatrix}$

$\begin{pmatrix} -3 \\ 2 \end{pmatrix}$

$\begin{pmatrix} 3 \\ -2 \end{pmatrix}$

$\begin{pmatrix} -3 \\ -2 \end{pmatrix}$

Q2. (2021)

17 Circle the vector that translates the point $(-2, 7)$ to the point $(3, -1)$

[1 mark]

$\begin{pmatrix} 5 \\ -6 \end{pmatrix}$

$\begin{pmatrix} 5 \\ -8 \end{pmatrix}$

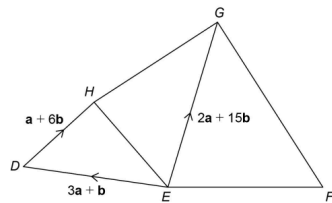
$\begin{pmatrix} -5 \\ 8 \end{pmatrix}$

$\begin{pmatrix} -5 \\ 6 \end{pmatrix}$

Q3. (2022)

21 Five points are connected by vectors.

Not drawn accurately



$\overrightarrow{FG} = 2\overrightarrow{EH}$

Work out $\overrightarrow{FE}$ in terms of $\mathbf{a}$ and $\mathbf{b}$.

[4 marks]

Q4. (2024)

3 The vector $\begin{pmatrix} -3 \\ 7 \end{pmatrix}$ translates A to B.

Write down the vector that translates B to A.

[1 mark]

Answer $\begin{pmatrix} \\ \end{pmatrix}$