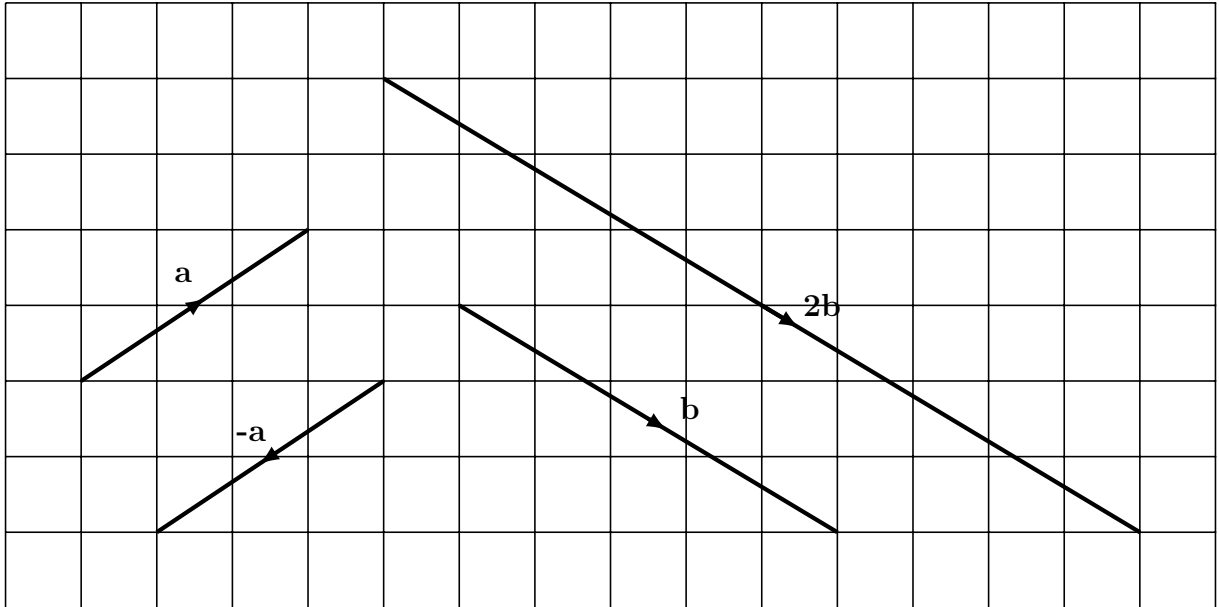


1. Here are some vectors.

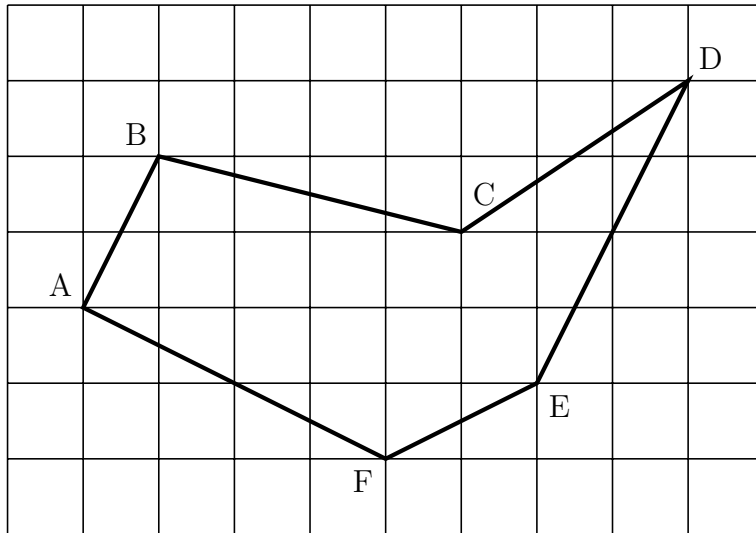


Write down the column vectors for

(i)  $\mathbf{b} = \begin{pmatrix} \dots \\ \dots \end{pmatrix}$

(ii)  $2\mathbf{b} = \begin{pmatrix} \dots \\ \dots \end{pmatrix}$

2. Here is an irregular hexagon.

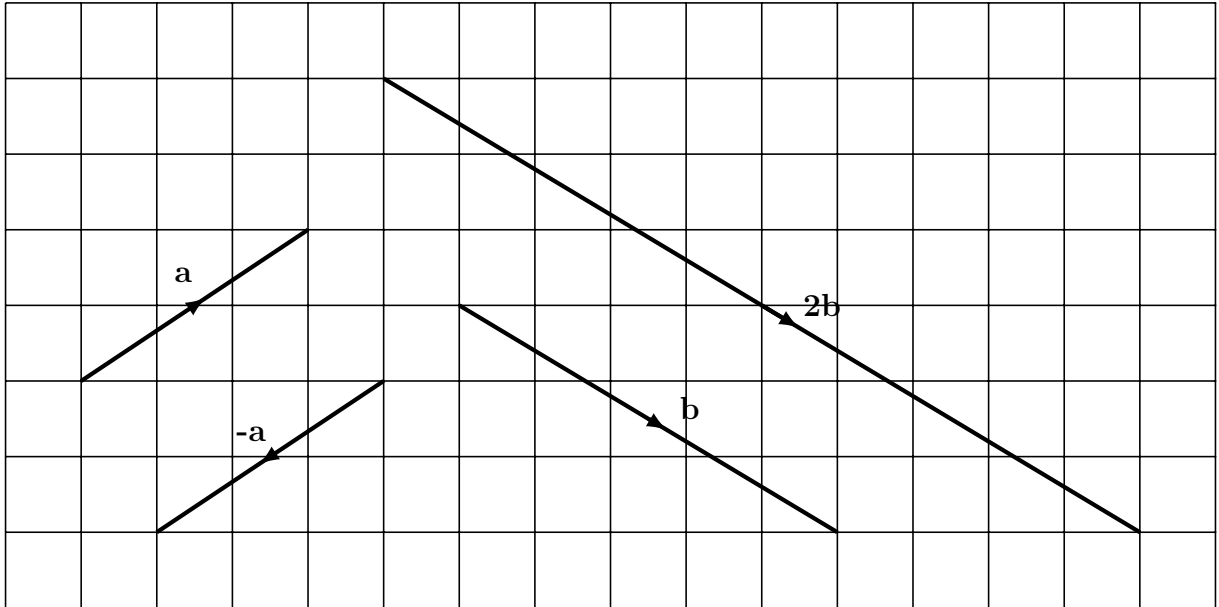


Write down the column vectors for

(i)  $\overrightarrow{BC} = \begin{pmatrix} \dots \\ \dots \end{pmatrix}$

(ii)  $\overrightarrow{CD} = \begin{pmatrix} \dots \\ \dots \end{pmatrix}$

3. Here are some vectors.

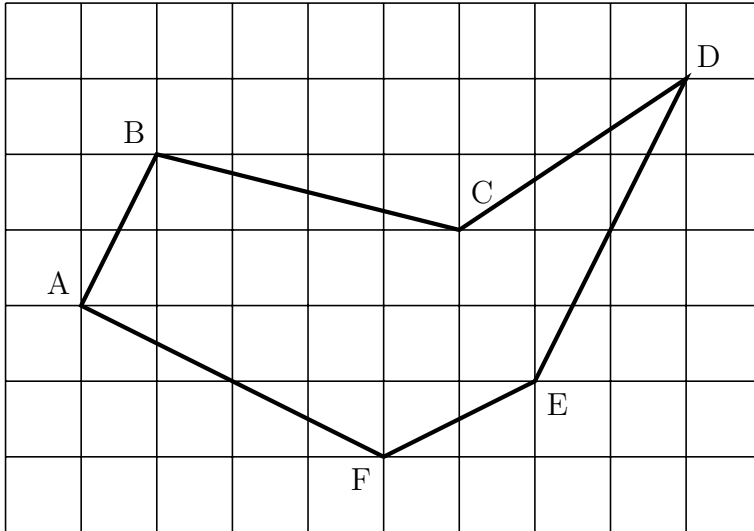


Write down the column vectors for

(i)  $\mathbf{a} = \begin{pmatrix} \dots \\ \dots \end{pmatrix}$

(ii)  $-\mathbf{a} = \begin{pmatrix} \dots \\ \dots \end{pmatrix}$

4. Here is an irregular hexagon.



Write down the column vectors for

(i)  $\overrightarrow{AF} = \begin{pmatrix} \dots \\ \dots \end{pmatrix}$

(ii)  $\overrightarrow{FE} = \begin{pmatrix} \dots \\ \dots \end{pmatrix}$

## Answers

1. (i) 5 (ii) 10

$$\begin{matrix} -3 & -6 \end{matrix}$$

2. (i) 4 (ii) 3

$$\begin{matrix} -1 & 2 \end{matrix}$$

3. (i) 3 (ii) -3

$$\begin{matrix} 2 & -2 \end{matrix}$$

4. (i) 4 (ii) 2

$$\begin{matrix} -2 & 1 \end{matrix}$$