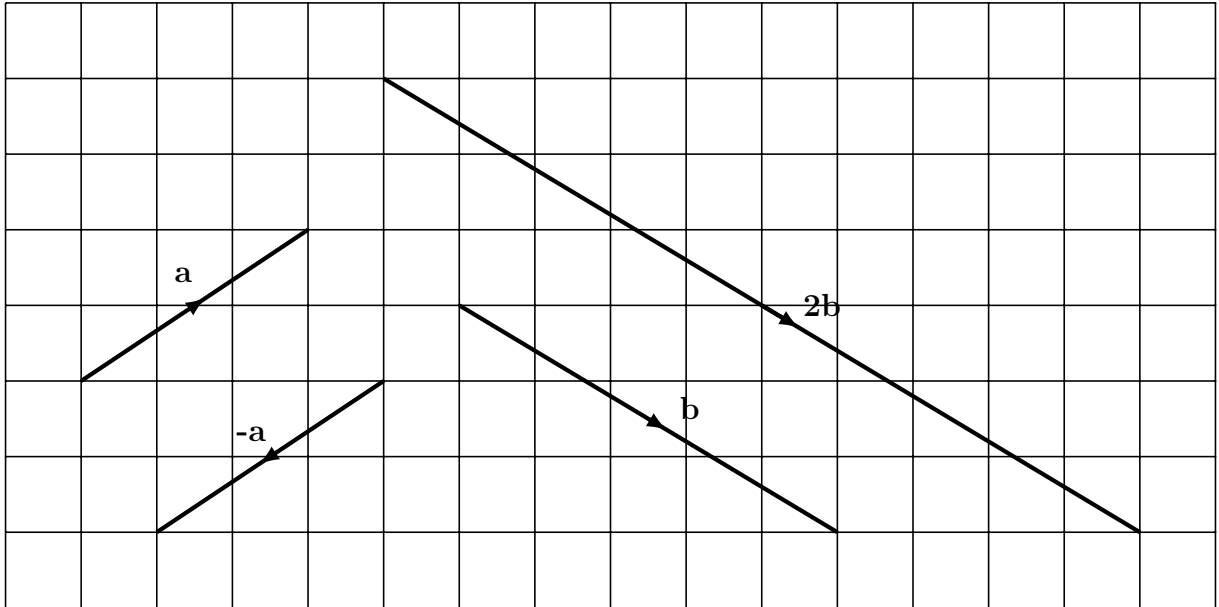1. Here are some vectors.
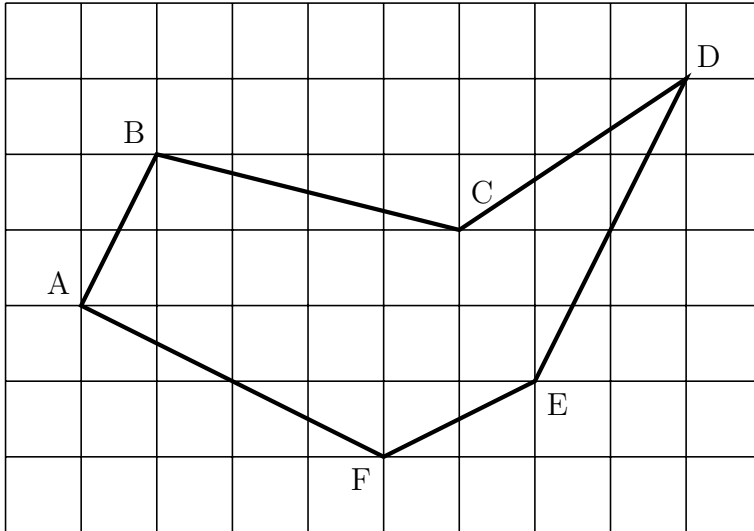

   Write down the column vectors for

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

   (ii) $\mathbf{2b} = \begin{pmatrix} ..... \\ ..... \end{pmatrix}$
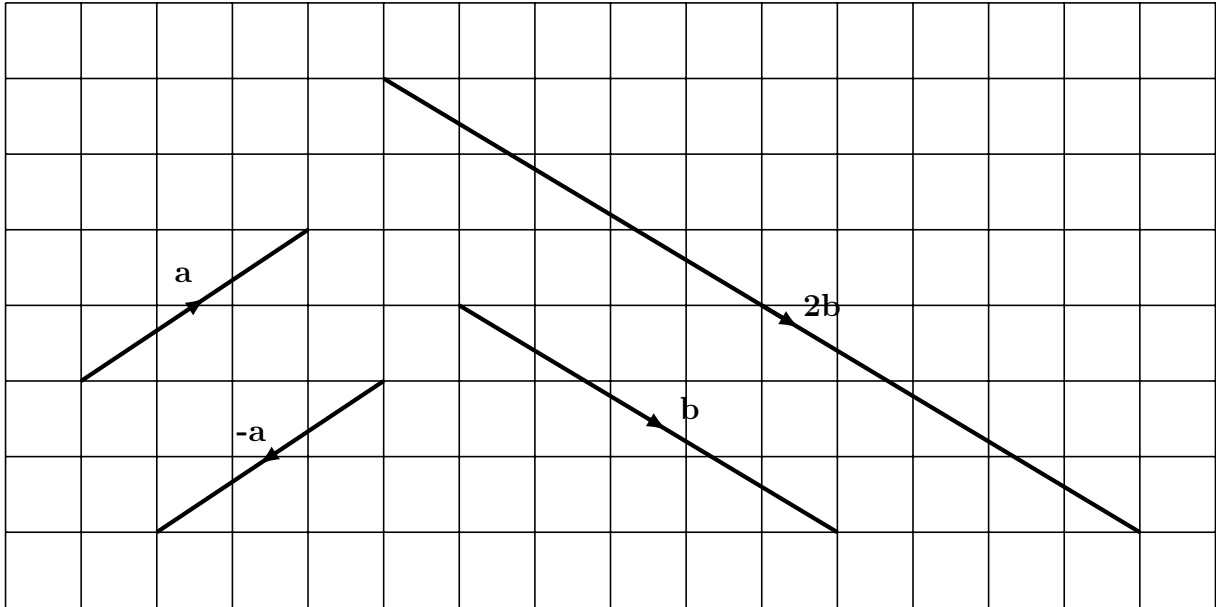
2. Here is an irregular hexagon.

Write down the column vectors for

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

(ii) $\overrightarrow{CD} = \begin{pmatrix} ..... \\ ..... \end{pmatrix}$
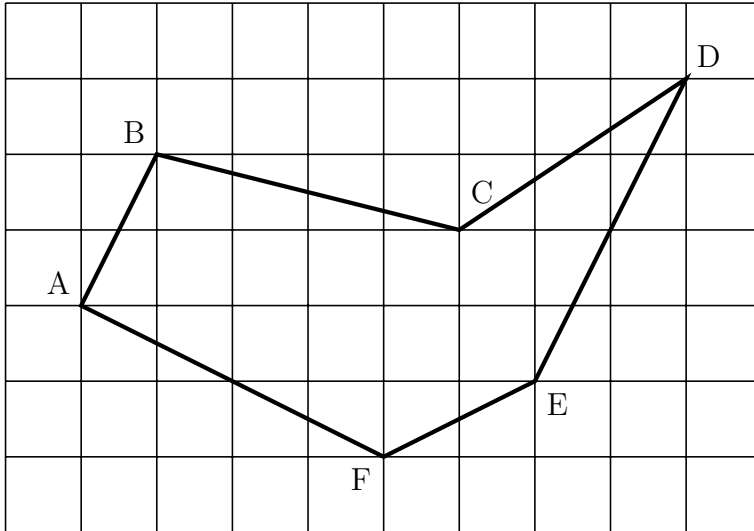
3. Here are some vectors.

Write down the column vectors for

(i) **a** = $\begin{pmatrix} ..... \\ ..... \end{pmatrix}$

(ii) **-a** = $\begin{pmatrix} ..... \\ ..... \end{pmatrix}$

4. Here is an irregular hexagon.

Write down the column vectors for

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

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

Answers

1. (i) 5 (ii) 10
      -3   -6

2. (i) 4 (ii) 3
      -1   2

3. (i) 3 (ii) -3
      2   -2

4. (i) 4 (ii) 2
      -2   1