Summer Term Maths Year 10

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Column vectors



Draw the following vectors on the grid below.

$$\mathbf{a} = \begin{pmatrix} \mathbf{4} \\ \mathbf{2} \end{pmatrix} \qquad \mathbf{b} = \begin{pmatrix} \mathbf{2} \\ \mathbf{-5} \end{pmatrix} \qquad \mathbf{c} = \begin{pmatrix} -\mathbf{4} \\ \mathbf{3} \end{pmatrix}$$

b

Write the column vector each of the vectors shown.





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Column vectors





- (a) Add an arrow onto the line segment to represent \overrightarrow{AB} .
- (b) Write \overrightarrow{AB} as a column vector.
- (c) Teddy thinks vector EF is shown on the diagram. Is he right? Explain your answer.
 (d) Represent the vectors CD and JK on the
- (d) Represent the vectors CD and JK on the diagram. What do you notice about them? They are parallel and the same length

