1) Using the diagram below, express the vector $\overrightarrow{DC}$ in terms of **e** and **f**.
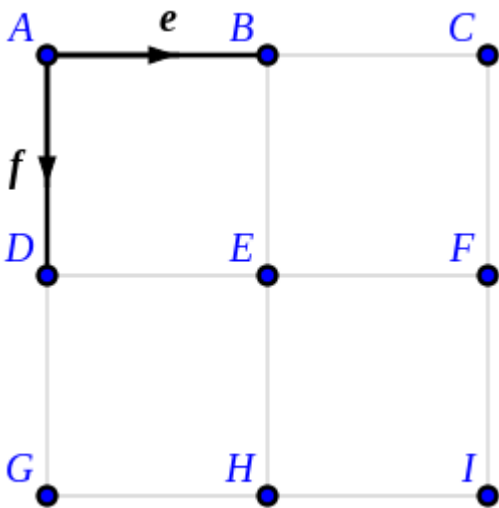
2) Using the diagram below, express the vector $\overrightarrow{NB}$ in terms of **a** and **b**.
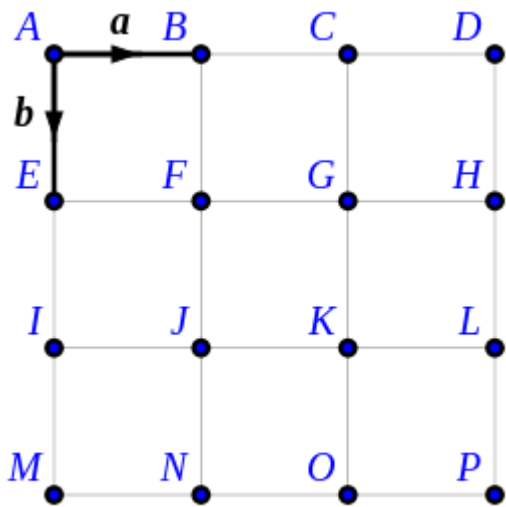
3) Find the vector formed when the vector **-3g-3h** is added to point P.

Write the vector as capital letters e.g. $\overrightarrow{AB}$.
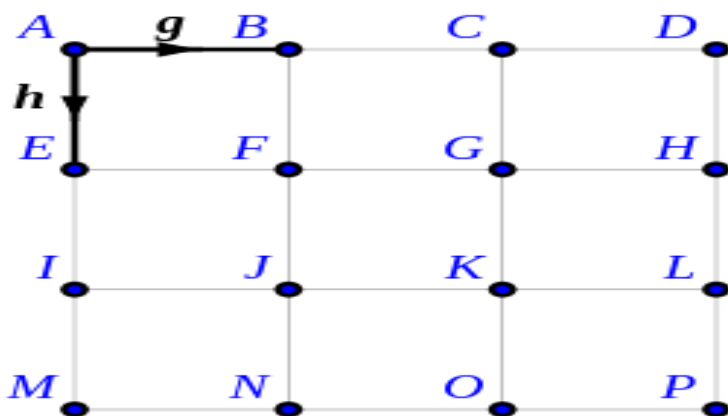
4) In the diagram below, $\vec{AB} = \mathbf{g}$ and $\vec{AF} = \mathbf{h}$.
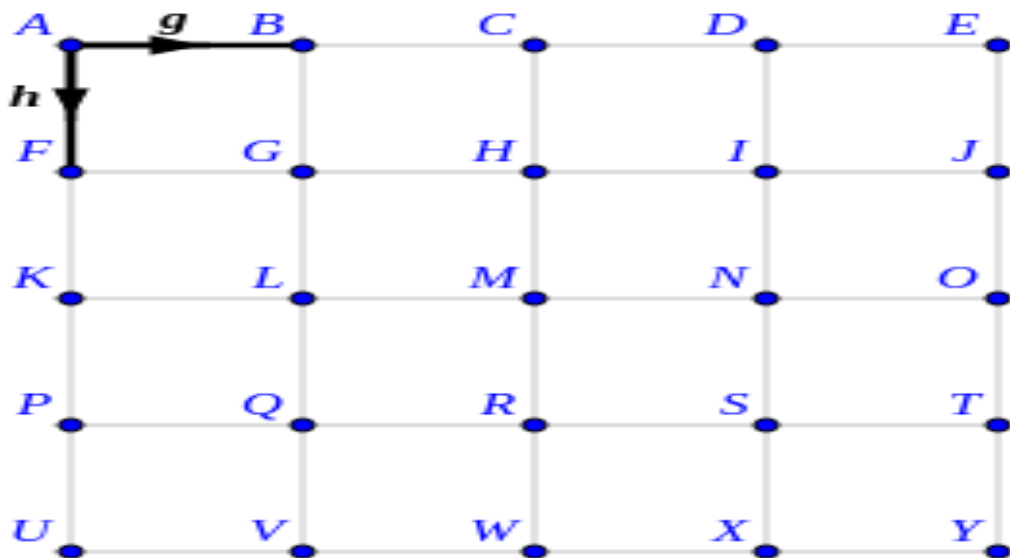
Express the following vectors in terms of **g** and **h**.

a) $\vec{UV}$ b) $\vec{KU}$ c) $\vec{TD}$ d) $\vec{YG}$

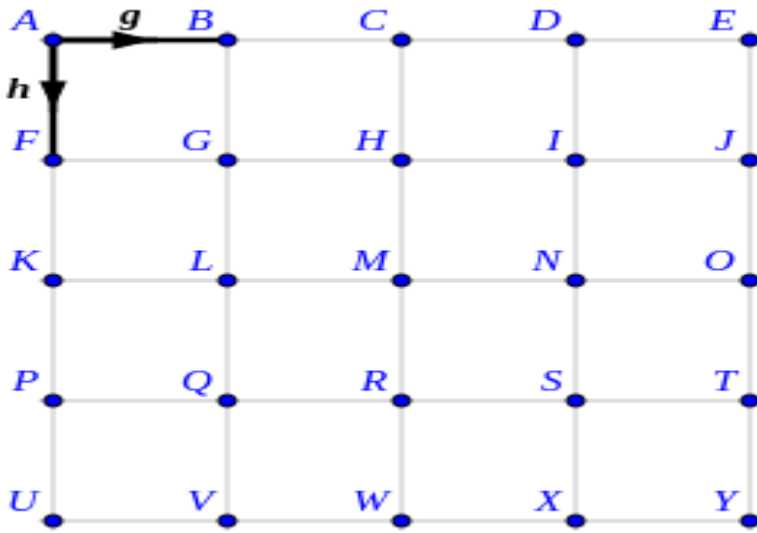**5) In the diagram below,** $\vec{AB} = \mathbf{g}$ **and** $\vec{AF} = \mathbf{h}$.

Express the following vectors in terms of **g** and **h**.

a) $\overrightarrow{WV}$

b) $\overrightarrow{AU}$

c) $\overrightarrow{VS}$

d) $\overrightarrow{XQ}$