Translation of a point questions part 4

1) Find the coordinates of the point B which is mapped onto B'(5,7) under the translation T= $\begin{pmatrix} 4 \\ 3 \end{pmatrix}$

2) Find the coordinates of the point K which is mapped onto K'(4,8) under the translation T= $\begin{pmatrix} -4 \\ 7 \end{pmatrix}$

3) Find the coordinates of the point Y which is mapped onto Y'(−3,1) under the translation T= $\begin{pmatrix} -10 \\ -3 \end{pmatrix}$

4) Find the coordinates of the point H which is mapped onto H'(12, −1) under the translation T= $\begin{pmatrix} 6 \\ -5 \end{pmatrix}$

5) Find the coordinates of the point Q which is mapped onto Q'(10,8) under the translation T= $\begin{pmatrix} 10 \\ 3 \end{pmatrix}$

6) Find the coordinates of the point G which is mapped onto G'(3,1) under the translation T= $\begin{pmatrix} 3 \\ -5 \end{pmatrix}$