1) Find the image of the following points under the given translation.

a) $A(2,-5), T = \begin{bmatrix} -3 \\ 0 \end{bmatrix}$

b) $B(10,25), T = \begin{bmatrix} 4 \\ -10 \end{bmatrix}$

2) The image of point $N$ under translation $T = \begin{pmatrix} -3 \\ 4 \end{pmatrix}$ is $N'(5,-2)$. Find the original point.

2. Find the image of the point $(3,2)$ after reflection with respect to the following reflected axes.

| with respect to | (3,2) | Score |
|---|---|---|
| **x–axis** | | |
| **y–axis** | | |
| **origin** | | |
| $x = 4$ | | |
| $y = -3$ | | |
| $R(4,12)$ | | |
| $y = x$ | | |
| $y = -x$ | | |