

2. Translation

- a. Translate the triangle  $X(4,6)$ ,  $Y(1,1)$ ,  $Z(5,1)$  by  $(-6,1)$ . Graph triangle  $XYZ$  and the translation. Label the points on each appropriately. List the points of the translation below.

$X'$   
 $Y'$   
 $Z'$

- b. Translate the triangle  $XYZ$  from "a." by  $(-8,-7)$ . Graph the translation and label the points appropriately. List the points of the translation below.

$X''$   
 $Y''$   
 $Z''$

- c. Translate the triangle  $XYZ$  from "a." by  $(2,-7)$ . Graph the translation and label the points appropriately. List the points of the translation below.

$X'''$   
 $Y'''$   
 $Z'''$

