

Translations

translations
→ slide w/o turning
w/o flipping

- Shape stays the same
- same size
- faces same way

Preimage = ORIGINAL

$\triangle ABC \rightarrow A(4, -3) \quad B(0, 2) \quad C(5, 1)$

Pre-image

translation \rightarrow 4 units left
3 units up

A' = A prime = new point

$A'(0, 0) \quad B'(-4, 5) \quad C'(1, 4)$

new image

# units to the left	-	←
# units to the right	+	→
# units up	+	↑
# units down	-	↓

X	4 units to the left	-4
Y	3 units up	+3