

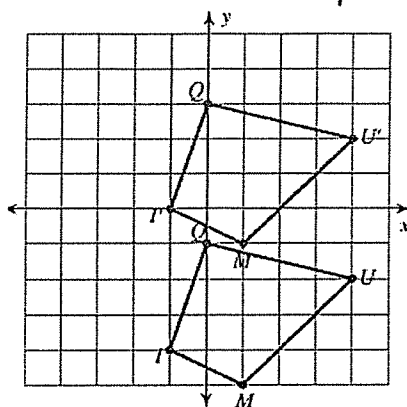
Name Key Arrow Notation and Translations

1. Describe the translation using words:

Shifted 4 units up
Shifted 4 units vertically

Write a rule using arrow notation:

$$(x, y + 4)$$

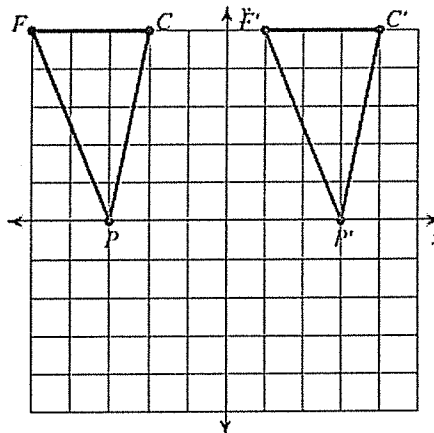


2. Describe the translation using words:

Shifted 6 units to the right
Shifted 6 units horizontally

Write a rule using arrow notation:

$$(x + 6, y)$$

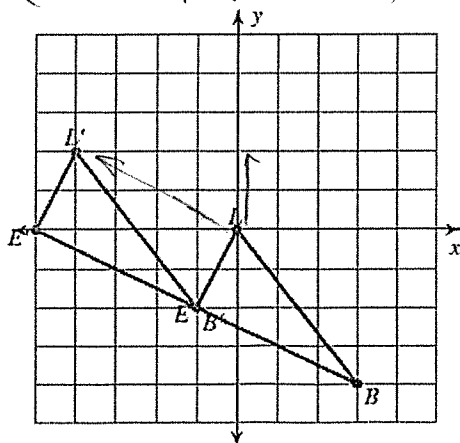


3. Describe the translation:

Shifted 4 units
to the left and 2
units up.

Write a rule using arrow notation:

$$(x - 4, y + 2)$$

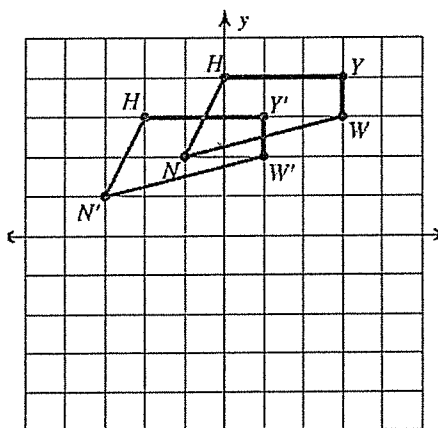


4. Describe the translation:

Shifted 2 units left
and 1 unit down.

Write a rule using arrow notation:

$$(x - 2, y - 1)$$

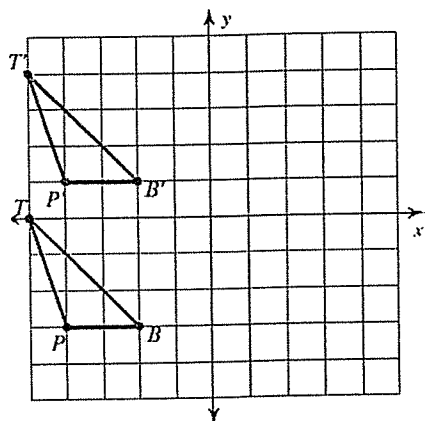


5. Describe the translation:

Shifted 4 units up
Shifted 4 units ~~horizontally~~
Vertically

Write a rule using arrow notation:

$$(x, y+4)$$

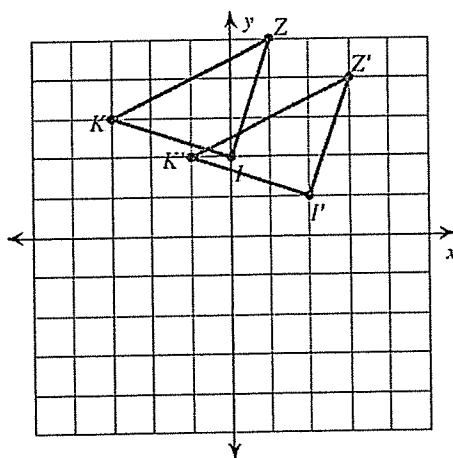


6. Describe the translation:

Shifted 2 units right
and 1 unit down

Write a rule using arrow notation:

$$(x+2, y-1)$$

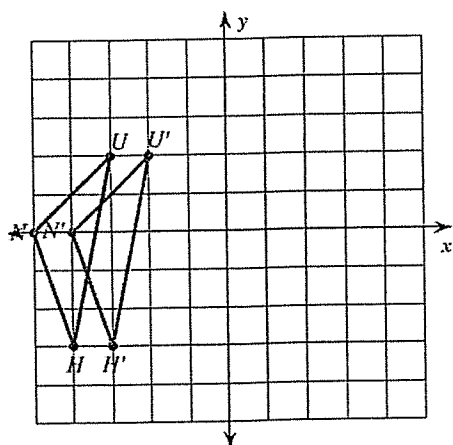


7. Describe the translation:

Shifted 1 unit
to the right.

Write a rule using arrow notation:

$$(x+1, y)$$



8. Describe the translation:

Shifted 1 unit up
and 1 unit to the left

Write a rule using arrow notation:

$$(x-1, y+1)$$

