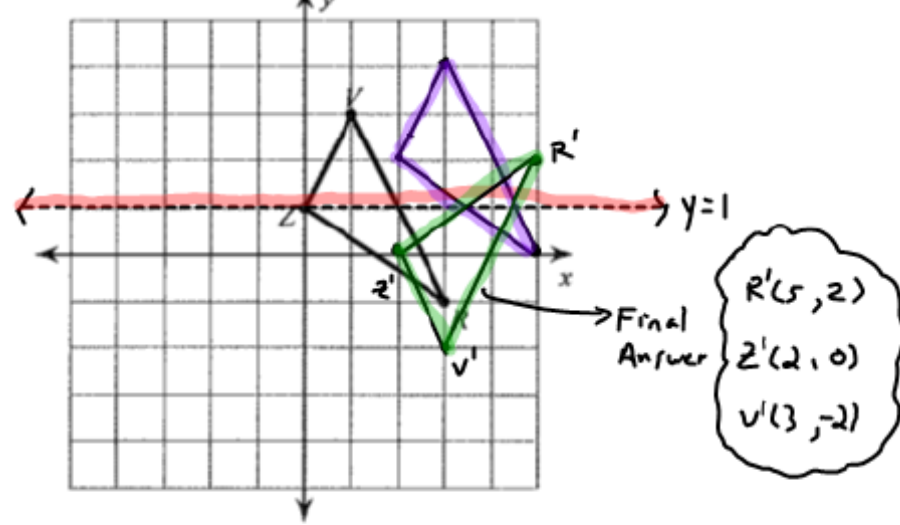
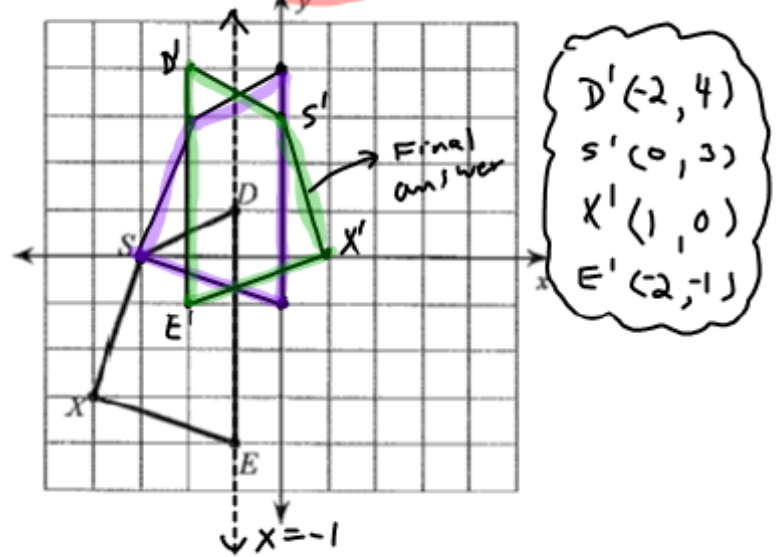


10/21

5) translation: 2 units right and 1 unit up ← 1st step
 and reflect over $y=1$ line ← 2nd step



6) translation: 1 unit right and 3 units up ← 1st step
 and reflect over $x=-1$ ← 2nd step



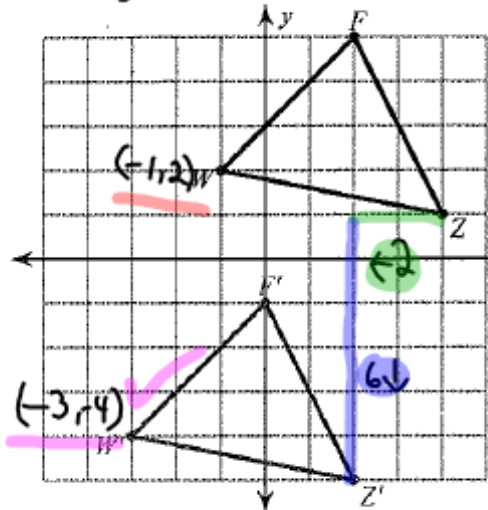
A glide reflection is a more advanced reflection. A glide reflection make a figure slide/translate and reflect.

Ex5: $y=1$ ($y = \text{any other } \#$) is a horizontal line.

Ex6: $x=-1$ ($x = \text{any other } \#$) is a vertical line.

Write a rule to describe each transformation.

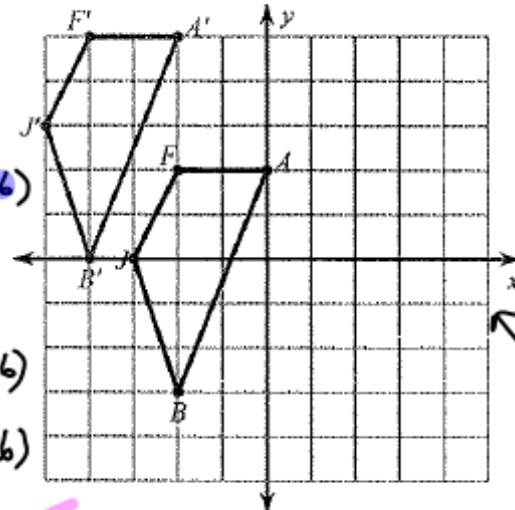
13) Going from $\triangle FWZ \rightarrow \triangle F'W'Z'$



Rule:
 $(x, y) \rightarrow (x-2, y-6)$

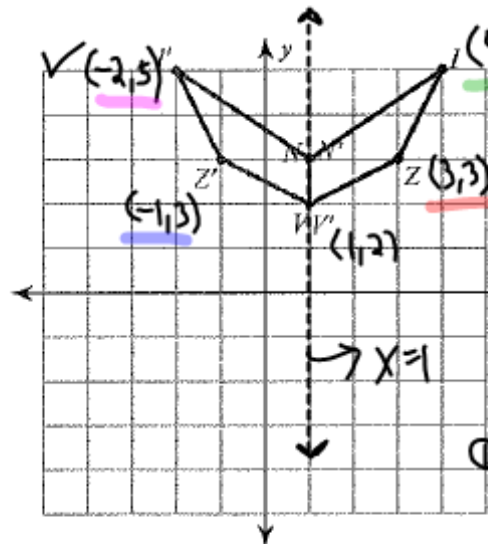
Quick check:
 $(x, y) \rightarrow (x-2, y-6)$
 $(-1, 2) \rightarrow (-1-2, 2-6)$
 $= (-3, -4) \checkmark$

14)



Try it!

15)



Rule: reflection over $x=1$ line - or -

$(x, y) \rightarrow (-1 \cdot x + 2, y)$
CHECK:
 $(4, 5) \rightarrow (-1 \cdot 4 + 2, 5)$
 $= (-2, 5) \checkmark$

The other pts work too!

16)

