

Transformations

translation - slide

reflection - flip

rotation - turn

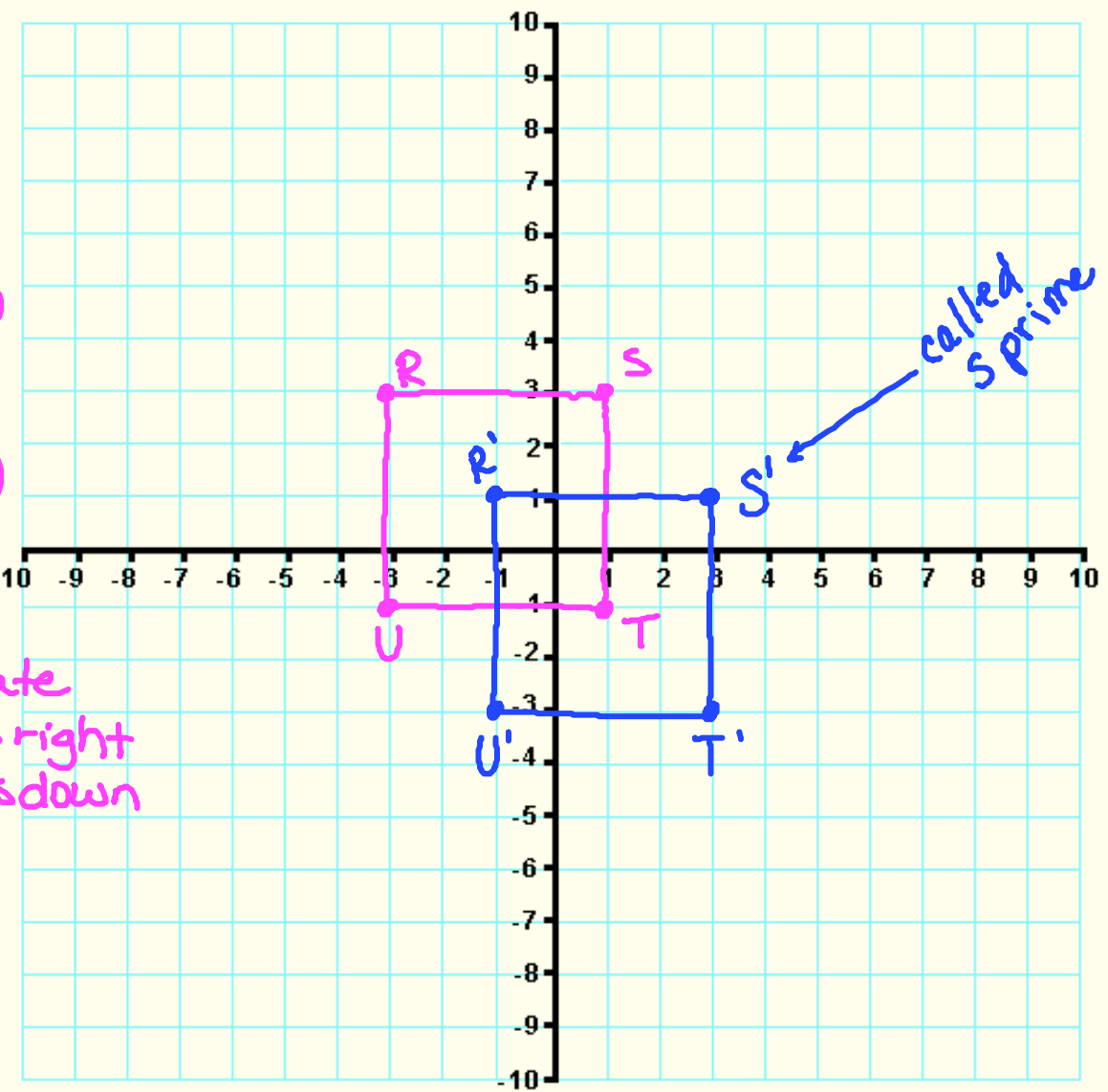
dilation - enlarge/shrink

↓
mult.
by
whole#

↓
mult.
by
frac.

Square
RSTU
R(-3,3)
S(1,3)
T(1,-1)
U(-3,-1)

Translate
2 units right
+ 2 units down



Parallelogram

$WXYZ$

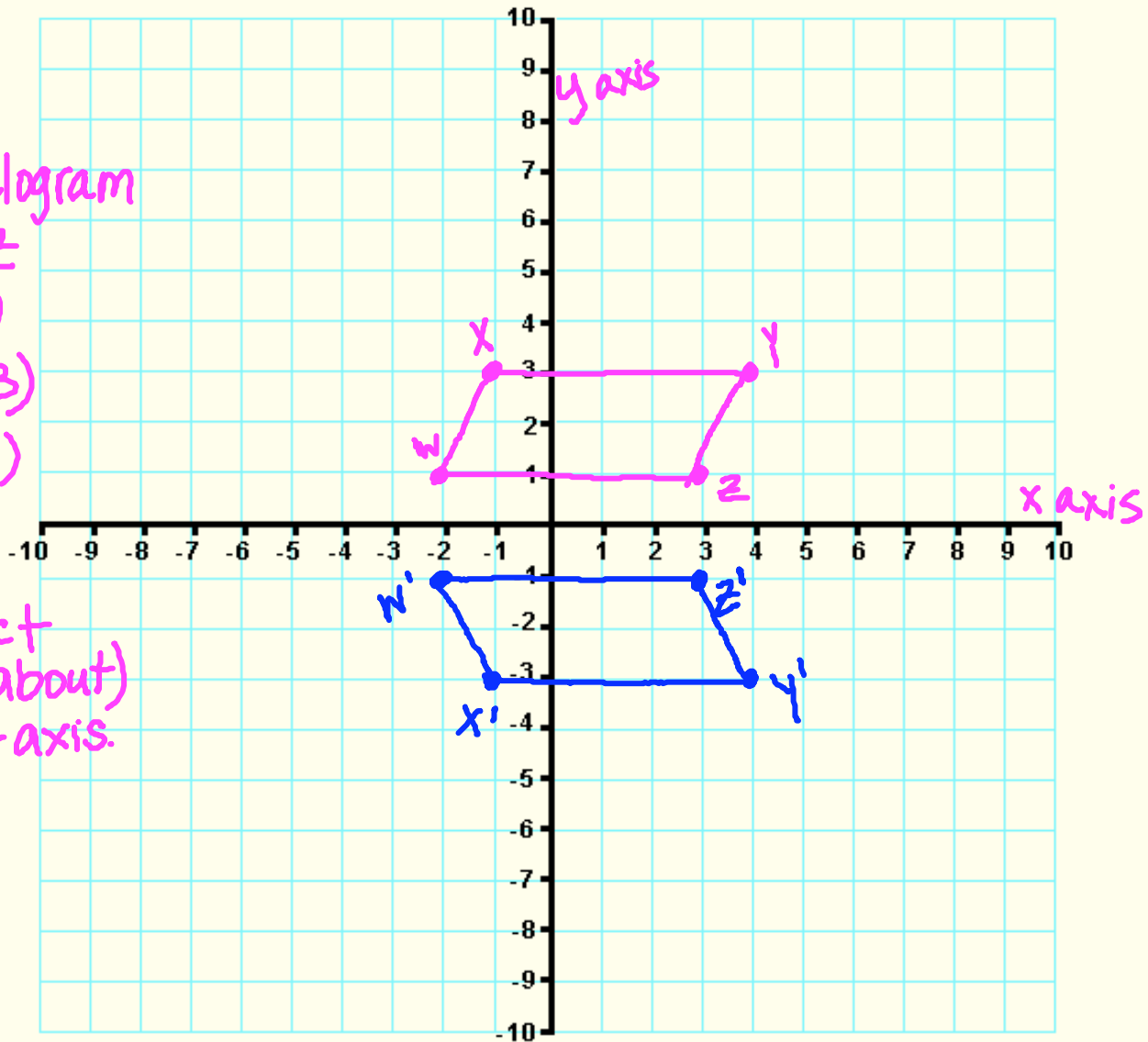
$W(-2,1)$

$X(-1,3)$

$Y(4,3)$

$Z(3,1)$

Reflect
over (about)
the x-axis.



Triangle

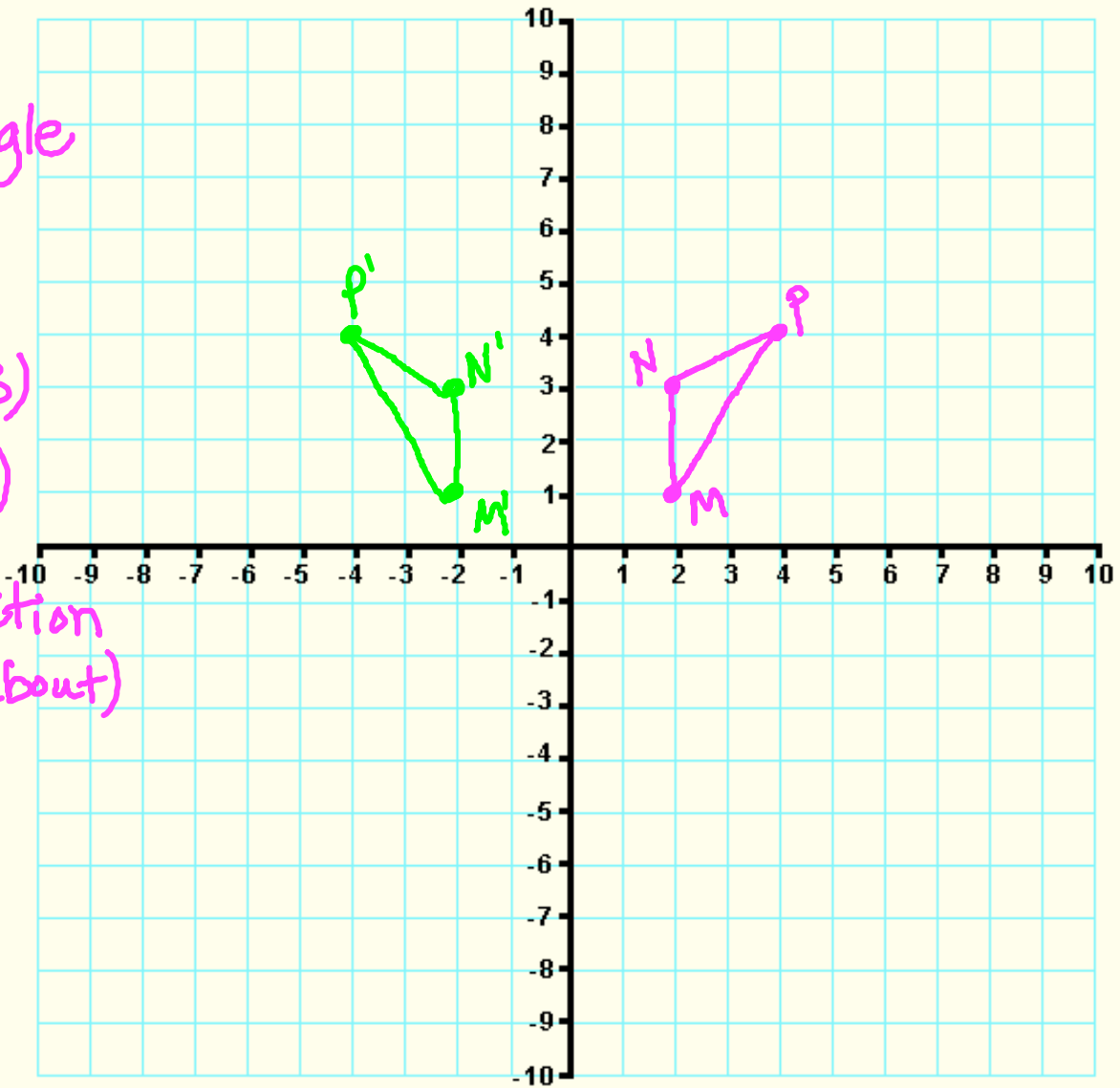
MNP

M(2,1)

N(2,3)

P(4,4)

Reflection
over (about)
y-axis



Rectangle

DEFG

$D(-2, -3)$

$E(-2, 1)$

$F(-4, 1)$

$G(-4, -3)$

Rotate 90°

