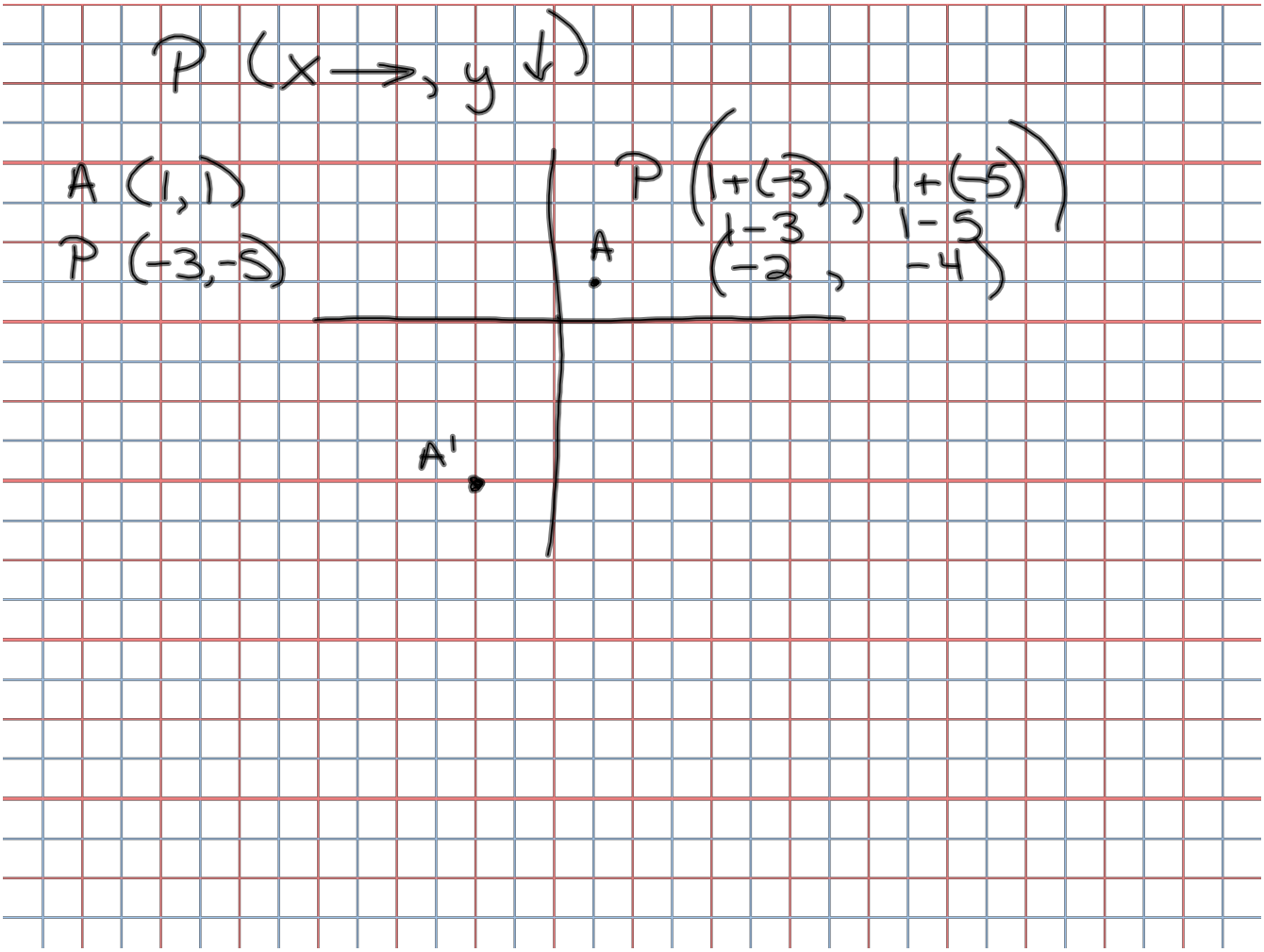
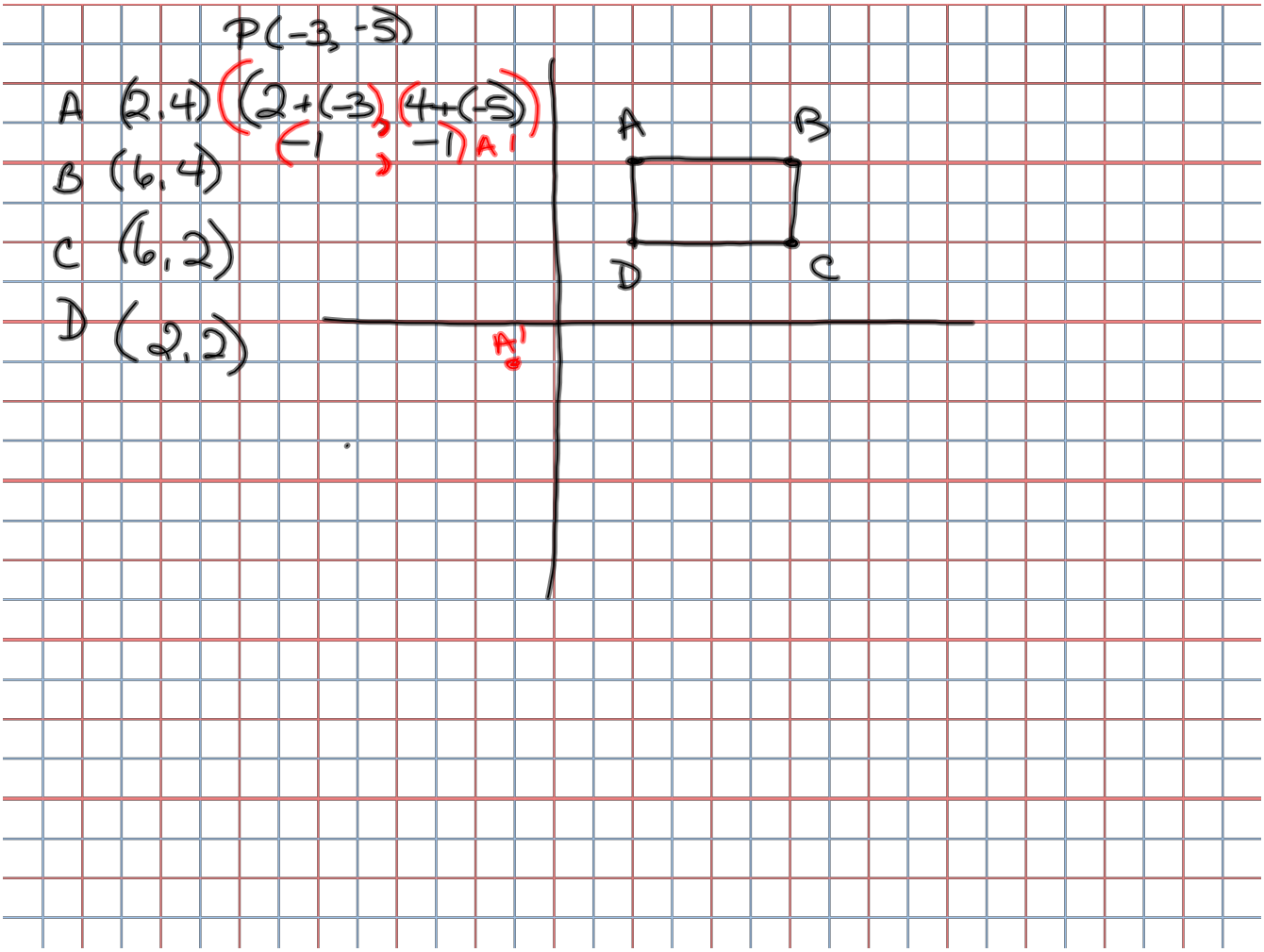
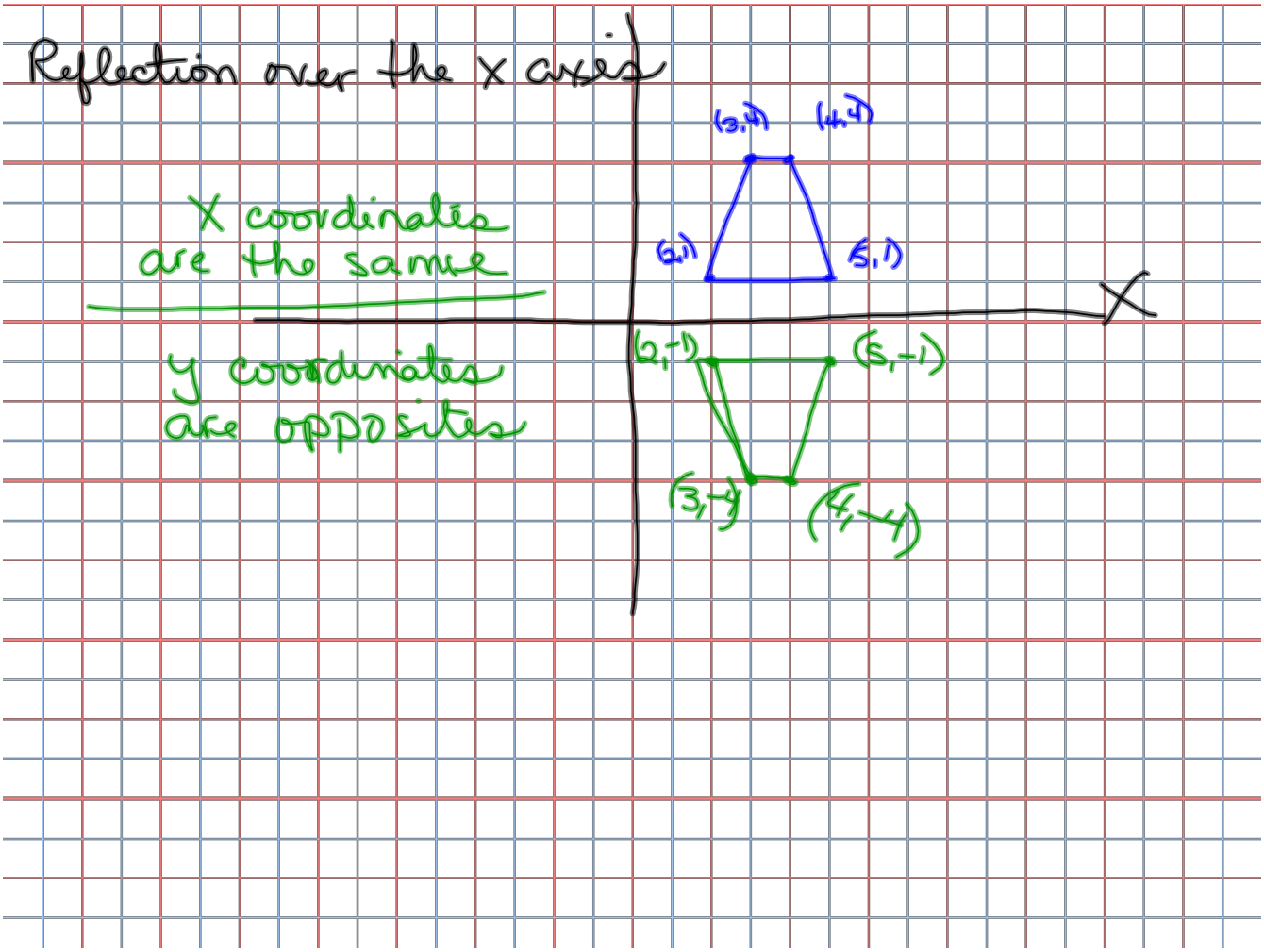
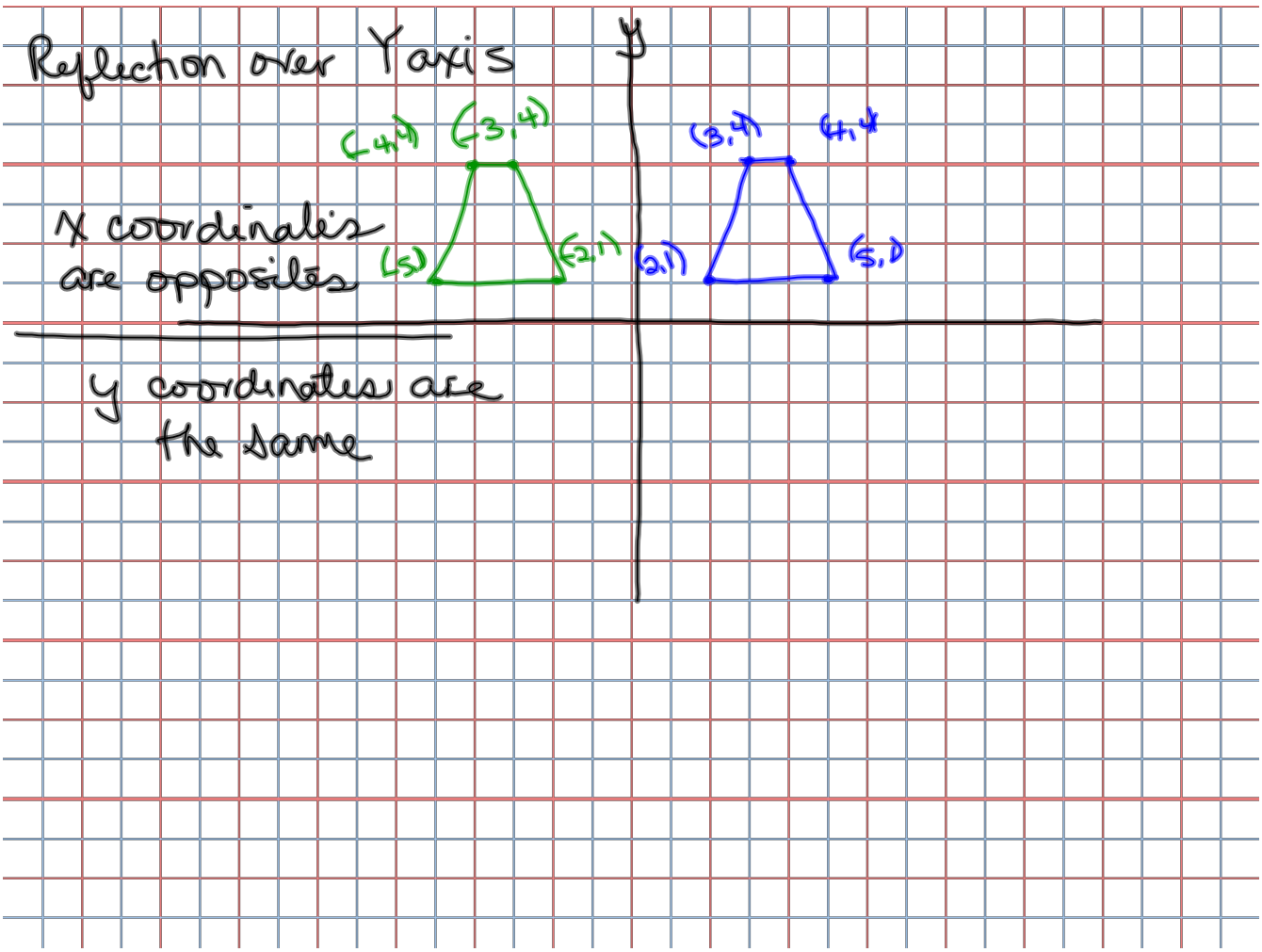

P (x →, y ↓)
A (1, 1)
P (-3, -5)
P (1+(-3), 1+(-5))
1-3
1-5
(-2, -4)
A
A'

2-7 Translations and Reflections


P(-3, -5)
A (2, 4) ((2+(-3), (4+(-5))
(-1, -1) A'
B (6, 4)
C (6, 2)
D (2, 2)
A
B
D
C
A'


Reflection over the x axis
X coordinates are the same
y coordinates are opposites
(3,4)
(4,4)
(2,1)
(5,1)
(2,-1)
(5,-1)
(3,-4)
(4,-4)
X


Reflection over Y axis
y
(-4,4)
(-3,4)
(-5,1)
(-2,1)
(3,4)
(4,4)
(2,1)
(5,1)
x coordinates are opposites
y coordinates are the same

Original	New (Prime)
X Y Z	X' Y' Z'