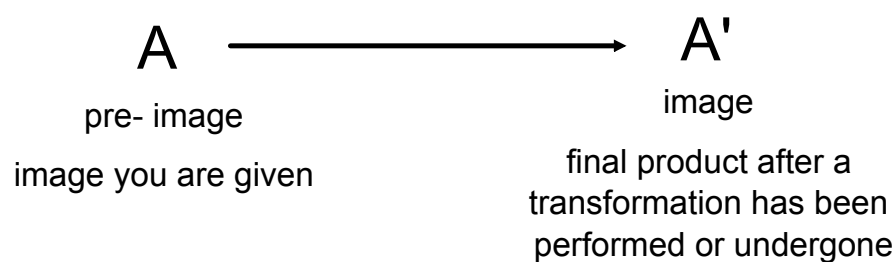


Unit 5

Lesson 1

When performing transformation we always start with a pre image (A) and end with an image (A').



Unit 5

Lesson 1

Translation

... is a transformation in which all the points of a figure move the **same distance** in the **same direction**

Unit 5

Lesson 1

3 ways to write translation rules

Ordered pair translation $(x + 1, y - 1)$

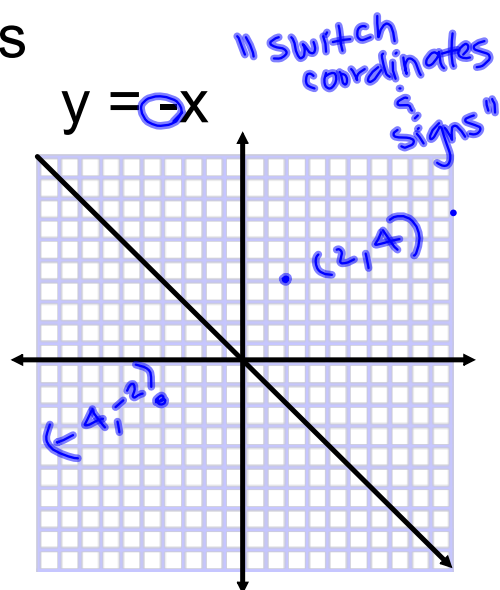
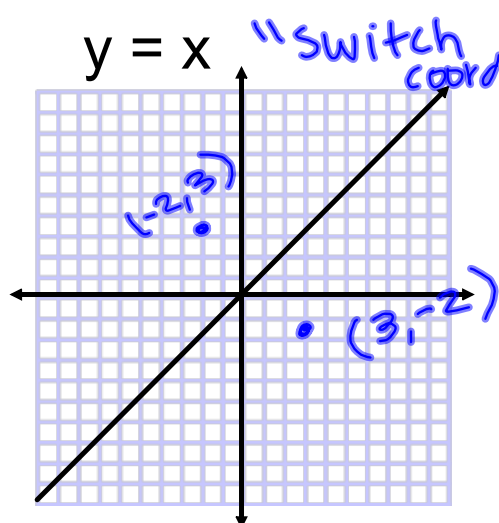
Subscript "transformation" $T_{1,-1}$

Vector notation $\langle 1, -1 \rangle$

Unit 5

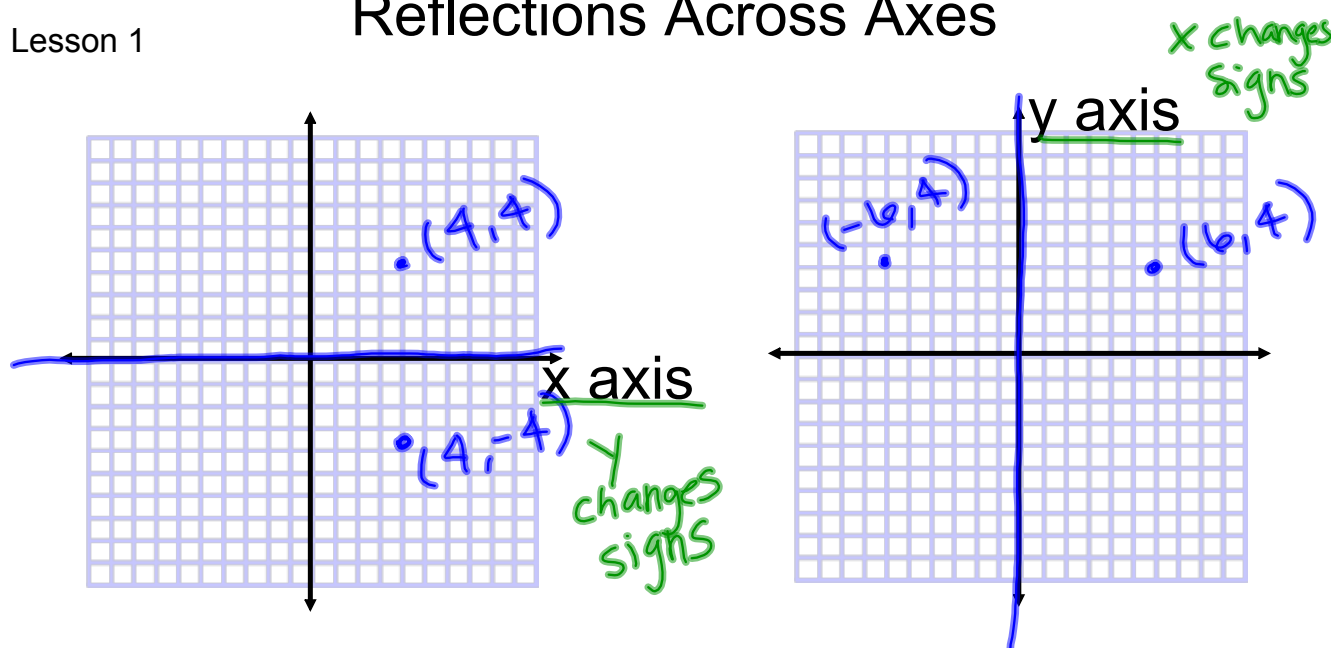
Lesson 1

Reflections



Unit 5
Lesson 1

Reflections Across Axes



Unit 5

Lesson 1

Writing Rules for a Reflection

 r_{xaxis} $r_{y=-x}$ r_{yaxis} $r_{y=x}$