

Pre-image: Original image
 $\triangle ABC$
Image: New image
 $\triangle A'B'C'$

Transformations

Creates similar images
Dilation

Dilation

AKA: Re-Size

Notes:
Enlarge or
Shrink an image
✓ Scale factor.

Creates congruent images
• Translation
• Reflection
• Rotation

Rotation

AKA: Turn

Notes:
• point of rotation
• Clockwise or Counterclock
• degree of rotation

Reflection

AKA: Flip

Notes:
• line of Reflection
✓ up/down (Y)
✓ side/side (X)

Translation

AKA: Slide

Notes:
• Steps to move
✓ Along x-axis
 $(x + 2) \rightarrow +2$
✓ Along y-axis
 $(y - 5) \rightarrow \downarrow \text{down by } 5$
"Rule"