

TRANSFORMATIONS

Flip Book

ALL THINGS ALGEBRA®

TRANSFORMATIONS

••••• Flip Book •••

Objective: This flip book is intended as a review of transformations, including reflections, translations, rotations, and dilations. Lines of reflection include the x-axis, y-axis, $y = x$, and vertical/horizontal lines. Rotations include 90° counterclockwise, 180° , 270° counterclockwise, and 90° clockwise, all about the origin. Assume all dilations use the origin as the center of dilation. Problems in which students must name the transformation and write the rule are included. There are 28 review problems included in the book.


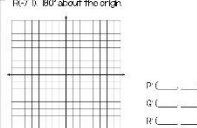
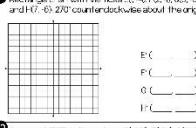
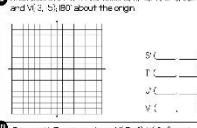
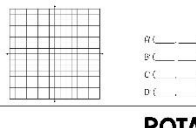
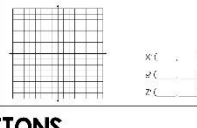
PC Printing Directions:

- 1) Click **File-> Print**
- 2) Choose **Pages 3-8**
- 3) Click **"Print on Both Sides of Paper"** -> Choose **"Flip on Short Edge"**
- 4) Click **"Print"**

MAC Printing Directions:

- 1) Click **File-> Print**
- 2) Choose **Pages 3-8**
- 3) Click **"Custom Scale"** and type in **97%**
- 4) Click **"Printer"** in the lower left corner
- 5) Select **"Media and Quantity"** and drop down to select **"Layout"**
- 6) Under **"Two Sided"**, choose **"Short-Edge binding"**
- 7) Click **"Print"**
- 8) Click **"Print"**

Once Printed: Layer the pages as shown below. Flip the top over, then staple.

A rotation is a _____, Counterclockwise Rotation Rules (about the origin)	
$(x, y) \rightarrow$ 90°	$(x, y) \rightarrow$ 180°
$(x, y) \rightarrow$ 270°	$(x, y) \rightarrow$ _____
Directions: Graph and label each figure and its image under the given rotation. Give the new coordinates.	
<p>9) Triangle LMN with vertices L(2, 2), M(5, -2), and N(5, 3). 90° counterclockwise about the origin.</p>  <p>L() () M() () N() ()</p>	<p>10) Triangle PQR with vertices P(-5, 5), Q(4, 6), and R(-7, 9). 180° about the origin.</p>  <p>P() () Q() () R() ()</p>
<p>11) Rectangle EFGH with vertices E(-4, 4), F(2, 4), G(2, 0), and H(-4, 0). 270° counterclockwise about the origin.</p>  <p>E() () F() () G() () H() ()</p>	<p>12) Rhombus STUV with vertices S(-4, -3), T(-3, -2), U(-3, 0), and V(-4, 0). 90° clockwise about the origin.</p>  <p>S() () T() () U() () V() ()</p>
<p>13) Trapezoid ABCD with vertices A(-2, 4), B(2, 0), C(1, 3), and D(-3, -1). 90° counterclockwise about the origin.</p>  <p>A() () B() () C() () D() ()</p>	<p>14) Triangle KLM with vertices K(-7, -2), L(-3, 4), and Z(-6, 8). 90° clockwise about the origin.</p>  <p>K() () L() () Z() ()</p>
ROTATIONS	
DILATIONS	
IDENTIFYING TRANSFORMATIONS	



<p>My</p> <h1>TRANSFORMATIONS</h1> <p>Flip Book</p> <p><small>© Gina Wilson (All Things Algebra®), LLC, 2015</small></p>
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