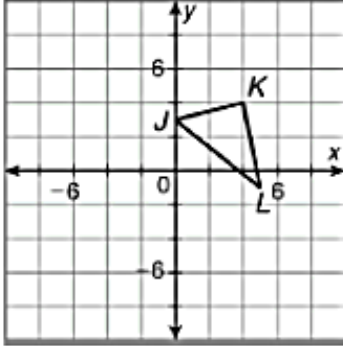


		Answers
<p>1) Which transformation maps the solid figure onto the dashed figure?</p> <p>A. rotation 180 about the origin B. translation to the right and down C. reflection across the x-axis D. reflection across the y-axis</p>		<p>1) _____</p>
<p>2) If triangle ABC is rotated 180 degrees about the origin, what are the coordinates of A'?</p> <p>A. (-5,-4) B. (-5,4) C. (-4,5) D. (-4,-5)</p>		<p>2) _____</p>
<p>3) Determine the angle of rotation for A to map onto A'?</p> <p>A. 45 B. 90 C. 135 D. 180</p>		<p>3) _____</p>
<p>4) Which transformation will place the trapezoid onto itself?</p> <p>A. counterclockwise rotation about the origin by 90 B. rotation about the origin by 180 C. reflection across the x-axis D. reflection across the y-axis</p>		<p>4) _____</p>

	Answers
<p>5) $\triangle JKL$ is rotated 90 about the origin and then translated using $(x,y) \rightarrow (x - 8, y + 5)$. What are the coordinates of the final image of L?</p> <p>A. (-7,10) B. (-7,0) C. (-9,10) D. (-9,0)</p> 	<p>5) _____</p>
<p>6) Which figure has 90 rotational symmetry?</p> <p>A. square B. regular hexagon C. regular pentagon D. equilateral triangle</p>	<p>6) _____</p>
<p>7) Point P is located at (4,8) on a coordinate plane. Point P will be reflected over $y = x$. What will be the coordinates of the image of point P?</p> <p>A. (28,4) B. 24,8) C. (4,28) D. (8,4)</p>	<p>7) _____</p>
<p>8) Point F' is the image when point F is reflected over the line $x = -2$ and then over the line $y = 3$. The location of F' is (3,7). Which of the following is the location of point F?</p> <p>A. (-7,-1) B. (-7,7) C. (1,5) D. (1,7)</p>	<p>8) _____</p>
<p>9) A triangle has vertices at A(-3,-1), B(-6,-5), C(-1,-4). Which transformation would produce an image with vertices A'(3,-1), B'(6,-5), C'(1,-4)?</p> <p>A. A reflection over the x-axis B. A reflection over the y-axis C. A rotation 99 clockwise D. A rotation 90 counterclockwise</p>	<p>9) _____</p>
<p>10) The vertices of $\triangle JKL$ have coordinates J(5,1), K(-2,-3), and L(-4,1). Under which transformation is the image $\triangle J'K'L'$ NOT congruent to $\triangle JKL$?</p> <p>A. A translation of two units to the right and two units down B. A counterclockwise rotation of 180 degrees around the origin C. A reflection over the x-axis D. A dilation with a scale factor of 2 centered at the origin</p>	<p>10) _____</p>