## GSE Geometry

Unit 1B Review Sheet





Topic: Compositions	Things to Remember: ✓ Order matters
	$\checkmark A \rightarrow A' \rightarrow A'' \rightarrow A'''$
<u>Examples</u> :	
13. a. Translation $(x, y) \rightarrow (x - 1, y + 2)$ b. Rotation <b>180°</b> about the origin. <b>Graph both images.</b>	<ul> <li>14.</li> <li>a. Rotation <b>90° CCW</b> about the origin</li> <li>b. Reflection over the <b>x-axis</b></li> <li><b>Graph both images.</b></li> </ul>
Topic: Creating rules	<ul> <li>Things to Remember:</li> <li>✓ Notice what happened from one coordinate to another</li> </ul>
	✓ $(y, x) \rightarrow$ indicates a switch ✓ Negative sign $\rightarrow$ indicates a sign change
Examples:	
15. Write the type of transformation and rule that created C'(-5, 3) and D'(2, -7) from C(3, 5) and D(-7, -2).	16. Write TWO transformations that would create the following transformation: P(-2, 4) $\rightarrow$ P'(-2, -4)
17. Write the type of transformation and rule that created A(4, 5), B(9, 0), C(2, -4) to A'(-5, -4), B'(0, -9), C'(4, -2).	18. Write the type of transformation and rule that created Z(8, 9), Y(2, -4) into Z'(10, 2), Y'(4, -11).
19. Describe the sequence of transformations that happened. $\uparrow v$	20. Describe the sequence of transformations that happened from $1 \rightarrow 2 \rightarrow 3$
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