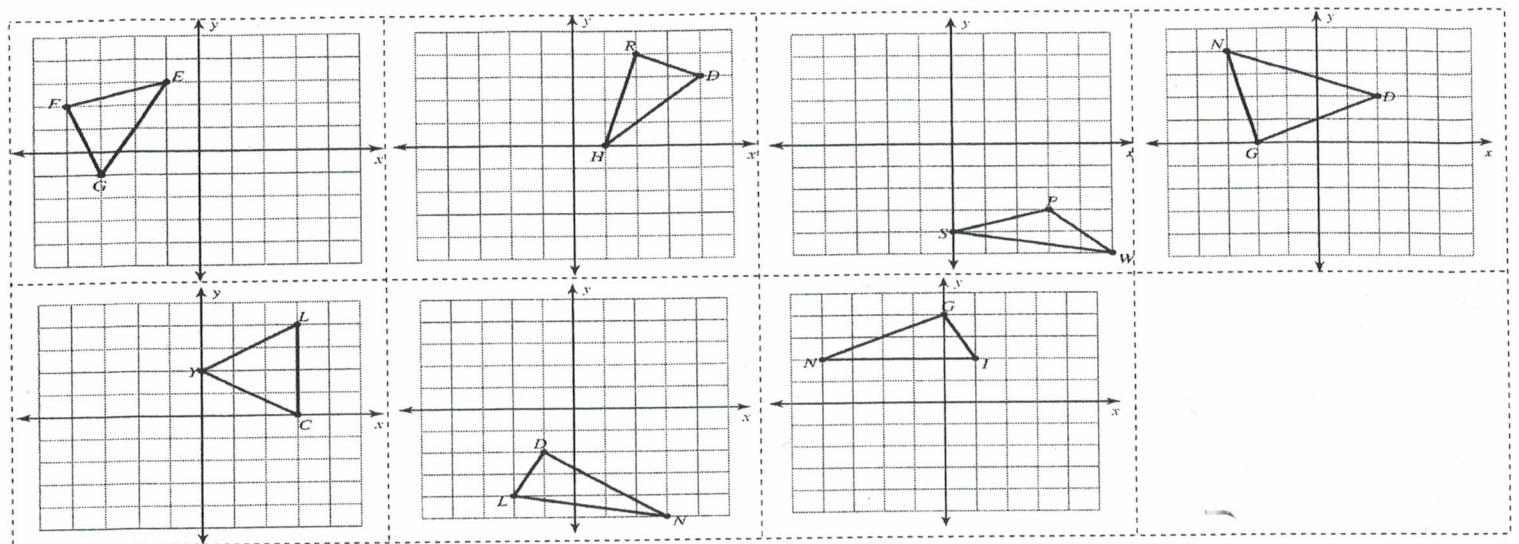


| Given Points | Geometric Transformations In Order | | | Preimage/Image |
|--------------|------------------------------------|--|--|----------------|
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |

Math 2 – Geometric Transformations Puzzle Pieces

| <p style="text-align: right; margin-right: 5px;">4</p> <table border="1" style="border-collapse: collapse; width: 100%;"> <thead> <tr><th>x</th><th>y</th></tr> </thead> <tbody> <tr><td>-4</td><td>2</td></tr> <tr><td>0</td><td>4</td></tr> <tr><td>1</td><td>2</td></tr> </tbody> </table> | x | y | -4 | 2 | 0 | 4 | 1 | 2 | <p style="text-align: right; margin-right: 5px;">7</p> <table border="1" style="border-collapse: collapse; width: 100%;"> <thead> <tr><th>x</th><th>y</th></tr> </thead> <tbody> <tr><td>0</td><td>2</td></tr> <tr><td>3</td><td>4</td></tr> <tr><td>3</td><td>0</td></tr> </tbody> </table> | x | y | 0 | 2 | 3 | 4 | 3 | 0 | <p style="text-align: right; margin-right: 5px;">1</p> <table border="1" style="border-collapse: collapse; width: 100%;"> <thead> <tr><th>x</th><th>y</th></tr> </thead> <tbody> <tr><td>-2</td><td>-4</td></tr> <tr><td>-1</td><td>-2</td></tr> <tr><td>3</td><td>-5</td></tr> </tbody> </table> | x | y | -2 | -4 | -1 | -2 | 3 | -5 | <p style="text-align: right; margin-right: 5px;">3</p> <table border="1" style="border-collapse: collapse; width: 100%;"> <thead> <tr><th>x</th><th>y</th></tr> </thead> <tbody> <tr><td>2</td><td>4</td></tr> <tr><td>4</td><td>3</td></tr> <tr><td>1</td><td>0</td></tr> </tbody> </table> | x | y | 2 | 4 | 4 | 3 | 1 | 0 |
|--|----|---|----|---|----|---|----|----|--|---|---|----|---|---|---|----|---|---|---|---|----|----|----|----|---|----|--|---|---|---|---|---|---|---|---|
| x | y | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -4 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| x | y | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| x | y | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | -4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -1 | -2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | -5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| x | y | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p style="text-align: right; margin-right: 5px;">5</p> <table border="1" style="border-collapse: collapse; width: 100%;"> <thead> <tr><th>x</th><th>y</th></tr> </thead> <tbody> <tr><td>-4</td><td>2</td></tr> <tr><td>-1</td><td>3</td></tr> <tr><td>-3</td><td>-1</td></tr> </tbody> </table> | x | y | -4 | 2 | -1 | 3 | -3 | -1 | <p style="text-align: right; margin-right: 5px;">2</p> <table border="1" style="border-collapse: collapse; width: 100%;"> <thead> <tr><th>x</th><th>y</th></tr> </thead> <tbody> <tr><td>-3</td><td>4</td></tr> <tr><td>2</td><td>2</td></tr> <tr><td>-2</td><td>0</td></tr> </tbody> </table> | x | y | -3 | 4 | 2 | 2 | -2 | 0 | <p style="text-align: right; margin-right: 5px;">6</p> <table border="1" style="border-collapse: collapse; width: 100%;"> <thead> <tr><th>x</th><th>y</th></tr> </thead> <tbody> <tr><td>0</td><td>-4</td></tr> <tr><td>3</td><td>-3</td></tr> <tr><td>5</td><td>-5</td></tr> </tbody> </table> | x | y | 0 | -4 | 3 | -3 | 5 | -5 | | | | | | | | | |
| x | y | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -4 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -1 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -3 | -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| x | y | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -2 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| x | y | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | -4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | -3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | -5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Math 2 – Geometric Transformations Puzzle Pieces



| | | | | |
|---|---|---|--|--|
| <p style="text-align: right;">^{2a}</p> <p>a.) Rotate 180°</p> | <p style="text-align: right;">^{4a}</p> <p>a.) Reflect about $x = -2$</p> | <p style="text-align: right;">^{5c}</p> <p>c.) Reflect about $y = -2$</p> | <p style="text-align: right;">^{3a}</p> <p>a.) Reflect about y-axis</p> | <p style="text-align: right;">^{7b}</p> <p>b.) Translate $\langle -5, 3 \rangle$</p> |
| <p style="text-align: right;">^{6c}</p> <p>c.) Translate $\langle 3, -4 \rangle$</p> | <p style="text-align: right;">^{1a}</p> <p>a.) Translate $\langle 2, 1 \rangle$</p> | <p style="text-align: right;">^{2c}</p> <p>c.) Reflect about $y = -1$</p> | <p style="text-align: right;">^{6a}</p> <p>a.) Rotate 90° CCW</p> | <p style="text-align: right;">^{4c}</p> <p>c.) Rotate 180°</p> |
| <p style="text-align: right;">^{3c}</p> <p>c.) Translate $\langle -4, -5 \rangle$</p> | <p style="text-align: right;">^{2b}</p> <p>b.) Translate $\langle -3, -1 \rangle$</p> | <p style="text-align: right;">^{7a}</p> <p>a.) Reflect about x-axis</p> | <p style="text-align: right;">^{1c}</p> <p>c.) Rotate 90° CCW</p> | <p style="text-align: right;">^{5a}</p> <p>a.) Translate $\langle 4, 2 \rangle$</p> |
| <p style="text-align: right;">^{5b}</p> <p>b.) Rotate 90° CW</p> | <p style="text-align: right;">^{6b}</p> <p>b.) Reflect about y-axis</p> | <p style="text-align: right;">^{2b}</p> <p>b.) Reflect about x-axis</p> | <p style="text-align: right;">^{4b}</p> <p>b.) Translate $\langle 5, -3 \rangle$</p> | <p style="text-align: right;">^{7c}</p> <p>c.) Rotate 180°</p> |
| <p style="text-align: right;">^{3b}</p> <p>b.) Rotate 90° CW</p> | | | | |