
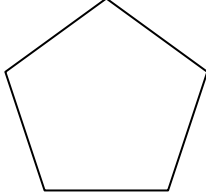
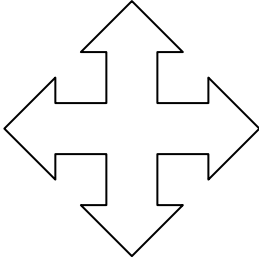


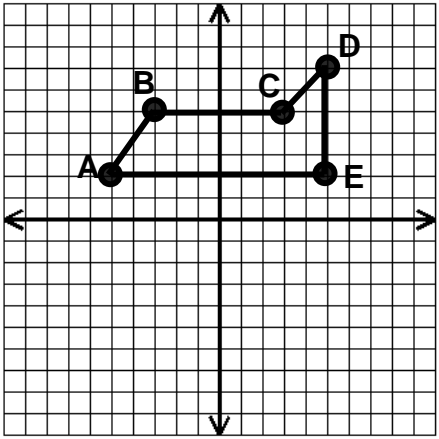
NAME _____ DATE _____ PER. _____

REFLECTIONS & SYMMETRY

Tell how many lines of symmetry each of the following objects has.

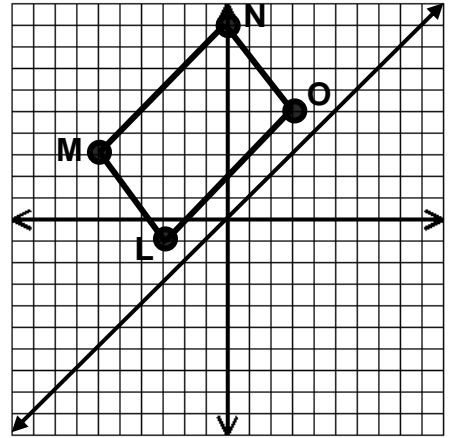
<p>1. _____</p>	
<p>2. _____</p>	<p>* Figure is a regular pentagon.</p> 
<p>3. _____</p>	

DRAW the reflection of each of the following figures across the axis/line indicated list the new coordinates, and find the object indicated.

<p>4. A' (_____, _____) D' (_____, _____) B' (_____, _____) E' (_____, _____) C' (_____, _____)</p>	<p>Reflect across the x-axis:</p> 
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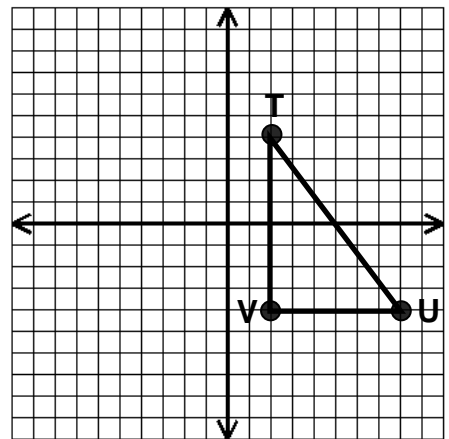
5. L' (_____, _____) N' (_____, _____)
 M' (_____, _____) O' (_____, _____)

Reflect across $y = x$:



6. T' (_____, _____)
 U' (_____, _____)
 V' (_____, _____)

Reflect across the y-axis:



7. _____

Which point is the reflection of $(-3, -2)$ over the origin?

- A. $(-3, -2)$
- B. $(3, -2)$
- C. $(-3, 2)$
- D. $(3, 2)$

8. _____	<p>Which point is the reflection of $(-3, -2)$ over the y-axis?</p> <p>A. $(-3, -2)$ B. $(3, -2)$ C. $(-3, 2)$ D. $(3, 2)$</p>
9. _____	<p>Which point is the reflection of $(-4, -3)$ over the x-axis?</p> <p>A. $(-4, -3)$ B. $(4, -3)$ C. $(-4, 3)$ D. $(4, 3)$</p>
10. _____	<p>Gail is using a coordinate plane to plan a garden. She draws a flower bed with vertices $(3,1)$, $(3,4)$, $(-2,4)$, and $(-2,1)$. Then she creates a second flower bed by reflecting the first one across the x-axis. Which of these is a vertex of the second flower bed?</p> <p>A. $(-2,-4)$ B. $(-3,1)$ C. $(2,1)$ D. $(-3,-4)$</p>
11. _____	<p>When point B $(-5, 2)$ is reflected in the line $x = 2$, where is the image located?</p>
12. _____	<p>When point B $(-5, 2)$ is reflected in the line $y = -2$, where is the image located?</p>