Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_\_\_\_\_\_\_

Reflect each of the figures across the given lines. Record the pre-image and image coordinates. Then describe the relationship between coordinate points.

**1. Reflect across the x-axis.**

**2. Reflect across the y-axis.**

****

**B**

**A**

**A**

**C**

**B**

**A ( ) A’ ( )**

**B ( ) B’ ( )**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**A ( ) A’ ( )**

**B ( ) B’ ( )**

**C ( ) C’ ( )**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**3. Reflect across the line y=x.**

****

**A ( ) A’ ( )**

**B ( ) B’ ( )**

**C ( ) C’ ( )**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**4. Reflect across the line y=-x.**

**A**

**C**

**B**

**A**

**B**

**C**

**A ( ) A’ ( )**

**B ( ) B’ ( )**

**C ( ) C’ ( )**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**



**A**

**B**

**D**

**C**

**A ( ) A’ ( )**

**B ( ) B’ ( )**

**C ( ) C’ ( )**

**D ( ) D’ ( )**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**6. Reflect across the line x=1.**

**5. Reflect across the line y=2.**



**8. Reflect across the line 2y=4x + 6.**

**A**

**B**

**C**

**7. Reflect across the line y= x + 1.**

**A**

**B**

**C**

**C**

**D**

**A**

**B**

**A ( ) A’ ( )**

**B ( ) B’ ( )**

**C ( ) C’ ( )**

**D ( ) D’ ( )**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**