

Reflections (Part 1)

Name: _____ Date: _____

Flip the figure over the given line. Each image point is the same distance from the line as the original.

1. Reflect the figure over the x-axis.

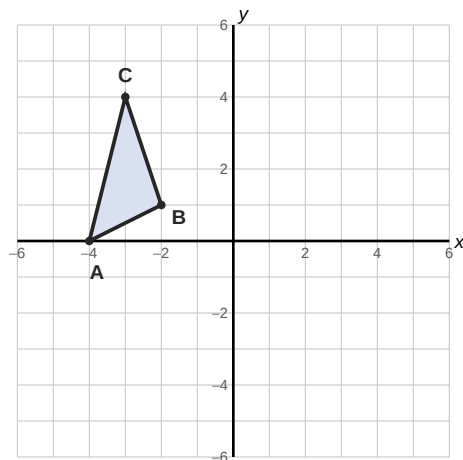


Image coordinates:

A' (,)

B' (,)

C' (,)

Original:

A (-4, 0)

B (-2, 1)

C (-3, 4)

2. Reflect the figure over the y-axis.

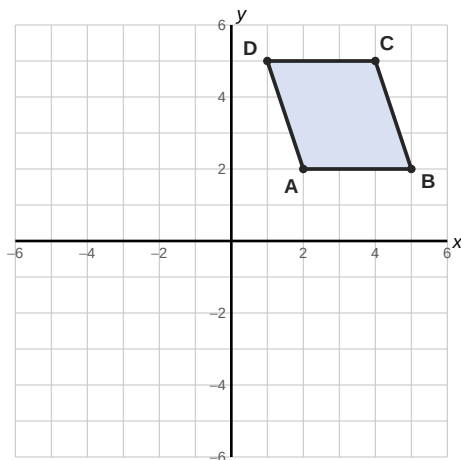


Image coordinates:

A' (,)

B' (,)

C' (,)

D' (,)

Original:

A (2, 2)

B (5, 2)

C (4, 5)

D (1, 5)

3. Reflect the figure over the line $y = x$.

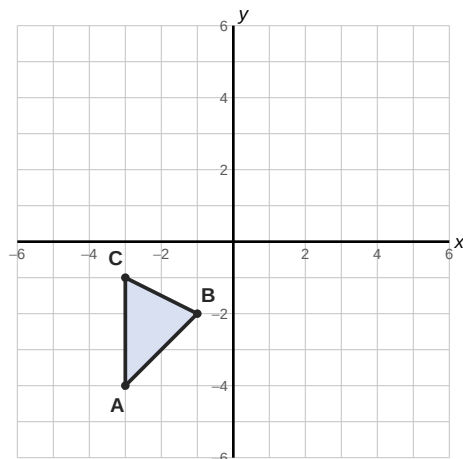


Image coordinates:

A' (,)

B' (,)

C' (,)

Original:

A (-3, -4)

B (-1, -2)

C (-3, -1)

4. Reflect the figure over the line $y = -x$.

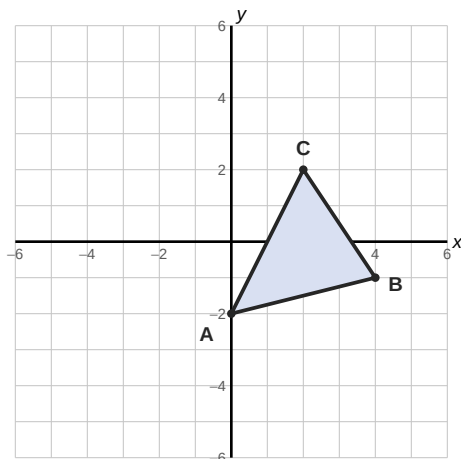


Image coordinates:

A' (,)

B' (,)

C' (,)

Original:

A (0, -2)

B (4, -1)

C (2, 2)

5. Reflect the figure over the x-axis.

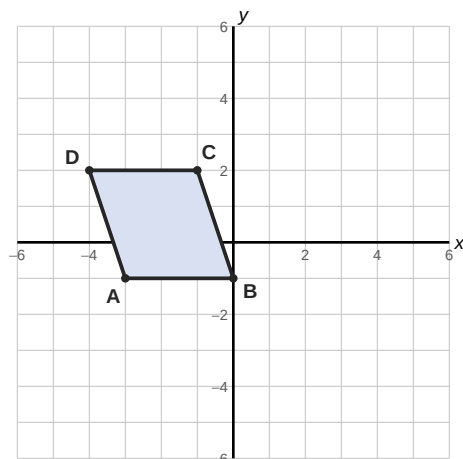


Image coordinates:

A' (,)

B' (,)

C' (,)

D' (,)

Original:

A (-3, -1)

B (0, -1)

C (-1, 2)

D (-4, 2)

6. Reflect the figure over the y-axis.

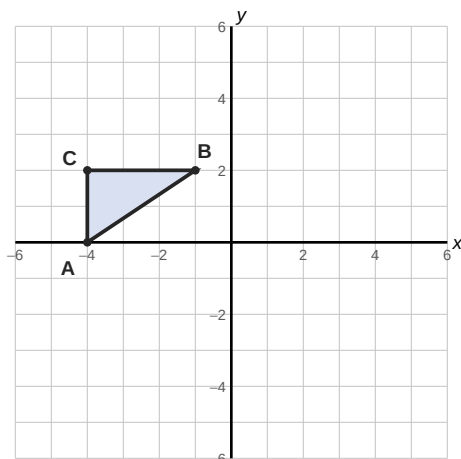


Image coordinates:

A' (,)

B' (,)

C' (,)

Original:

A (-4, 0)

B (-1, 2)

C (-4, 2)

Reflections (Part 2)

Flip the figure over the given line. Each image point is the same distance from the line as the original.

Name: _____ Date: _____

7. Reflect the figure over the line $y = x$.

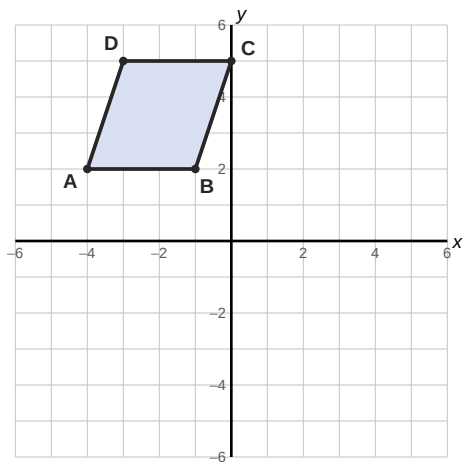


Image coordinates:

A' (,)

B' (,)

C' (,)

D' (,)

Original:

A (-4, 2)

B (-1, 2)

C (0, 5)

D (-3, 5)

8. Reflect the figure over the line $y = -x$.

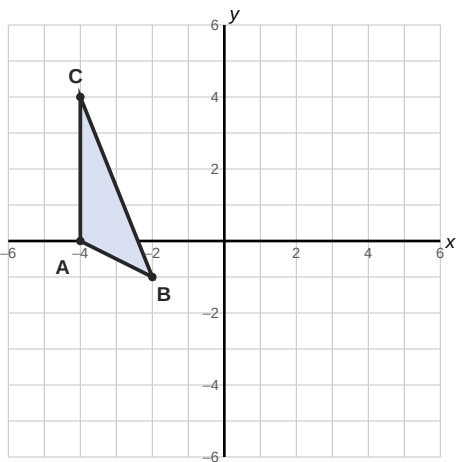


Image coordinates:

A' (,)

B' (,)

C' (,)

Original:

A (-4, 0)

B (-2, -1)

C (-4, 4)

9. Reflect the figure over the line $x = 3$.

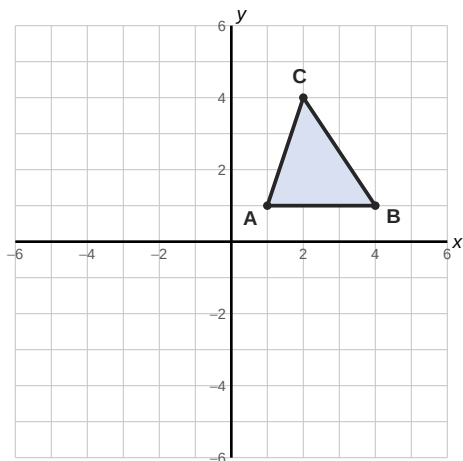


Image coordinates:

A' (,)

B' (,)

C' (,)

Original:

A (1, 1)

B (4, 1)

C (2, 4)

10. Reflect the figure over the line $y = 2$.

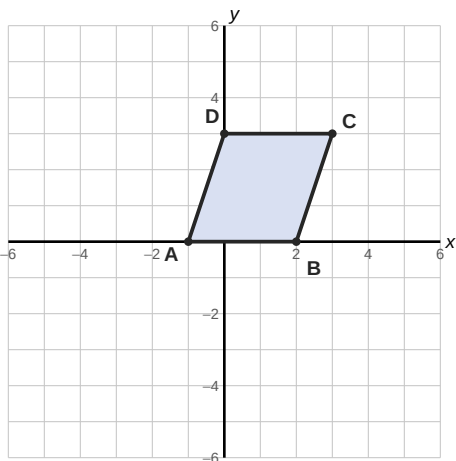


Image coordinates:

A' (,)

B' (,)

C' (,)

D' (,)

Original:

A (-1, 0)

B (2, 0)

C (3, 3)

D (0, 3)

11. Reflect the figure over the line $x = 1$.

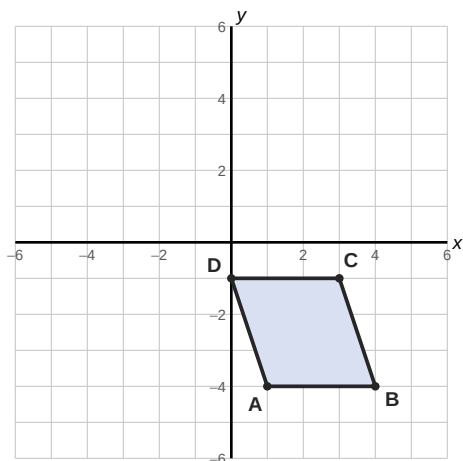


Image coordinates:

A' (,)

B' (,)

C' (,)

D' (,)

Original:

A (1, -4)

B (4, -4)

C (3, -1)

D (0, -1)

12. Reflect the figure over the line $y = 2$.

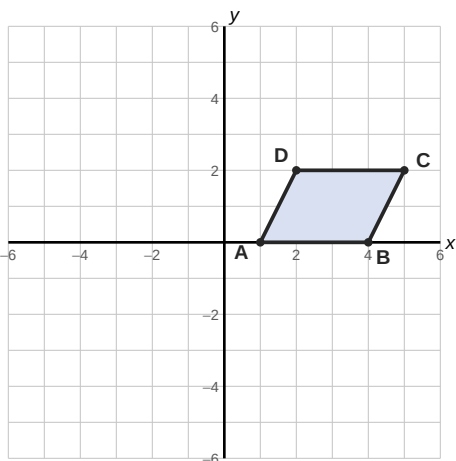


Image coordinates:

A' (,)

B' (,)

C' (,)

D' (,)

Original:

A (1, 0)

B (4, 0)

C (5, 2)

D (2, 2)