

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.

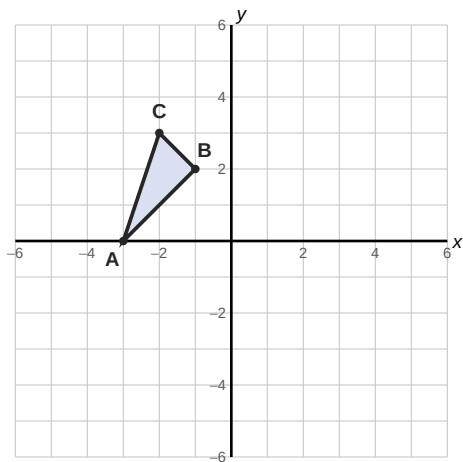


Image coordinates:

A' (,)

B' (,)

C' (,)

Original:
A (-3, 0)
B (-1, 2)
C (-2, 3)

2. Reflect the figure over the y-axis.

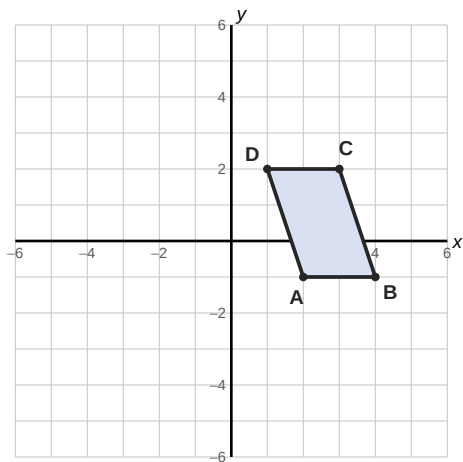


Image coordinates:

A' (,)

B' (,)

C' (,)

D' (,)

Original:
A (2, -1)
B (4, -1)
C (3, 2)
D (1, 2)

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

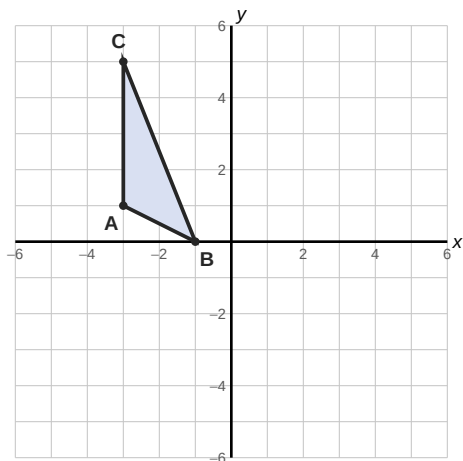


Image coordinates:

A' (,)

B' (,)

C' (,)

Original:
A (-3, 1)
B (-1, 0)
C (-3, 5)

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

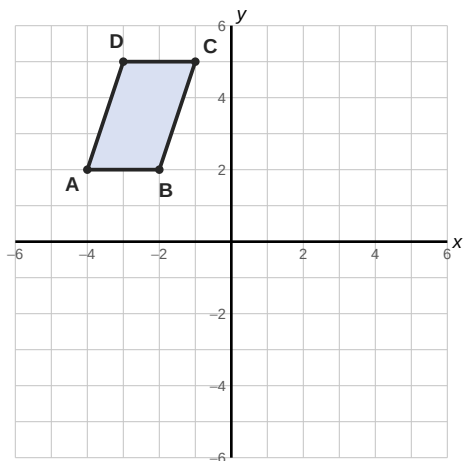


Image coordinates:

A' (,)

B' (,)

C' (,)

D' (,)

Original:
A (-4, 2)
B (-2, 2)
C (-1, 5)
D (-3, 5)

5. Reflect the figure over the x-axis.

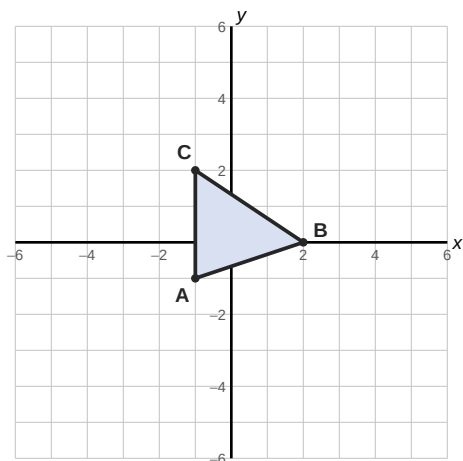


Image coordinates:

A' (,)

B' (,)

C' (,)

Original:
A (-1, -1)
B (2, 0)
C (-1, 2)

6. Reflect the figure over the y-axis.

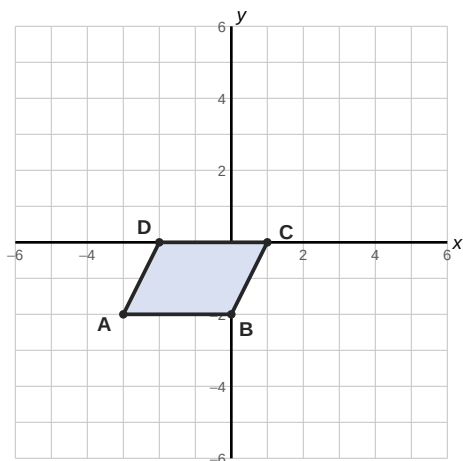


Image coordinates:

A' (,)

B' (,)

C' (,)

D' (,)

Original:
A (-3, -2)
B (0, -2)
C (1, 0)
D (-2, 0)

Reflections (Part 2)

Name: _____ Date: _____

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

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

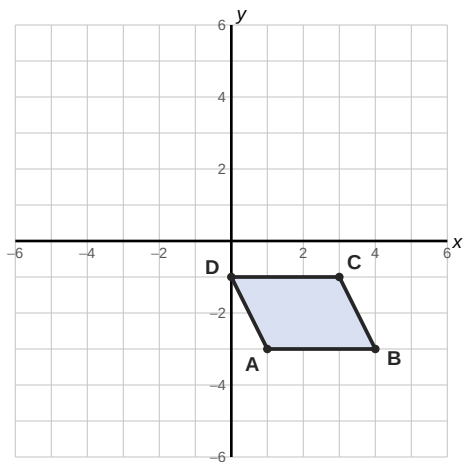


Image coordinates:

A' (,)

B' (,)

C' (,)

D' (,)

Original:

A (1, -3)

B (4, -3)

C (3, -1)

D (0, -1)

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

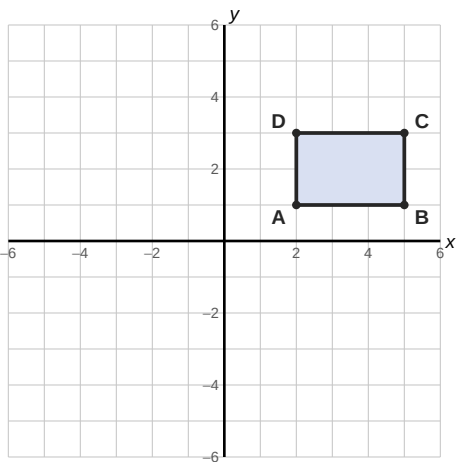


Image coordinates:

A' (,)

B' (,)

C' (,)

D' (,)

Original:

A (2, 1)

B (5, 1)

C (5, 3)

D (2, 3)

9. Reflect the figure over the line $x = -2$.

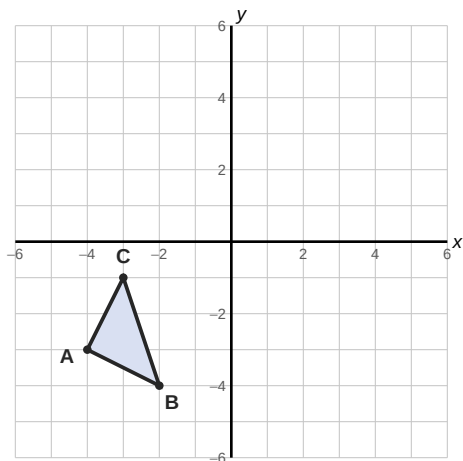


Image coordinates:

A' (,)

B' (,)

C' (,)

Original:

A (-4, -3)

B (-2, -4)

C (-3, -1)

10. Reflect the figure over the line $y = 1$.

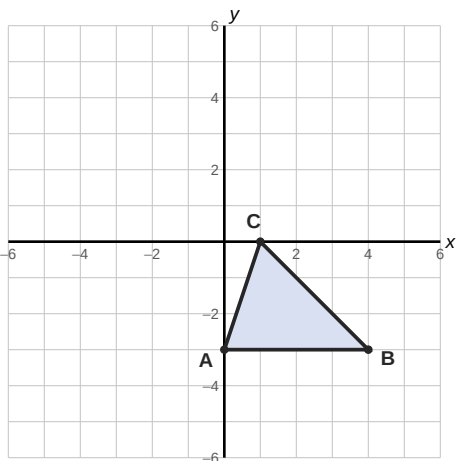


Image coordinates:

A' (,)

B' (,)

C' (,)

Original:

A (0, -3)

B (4, -3)

C (1, 0)

11. Reflect the figure over the line $x = -2$.

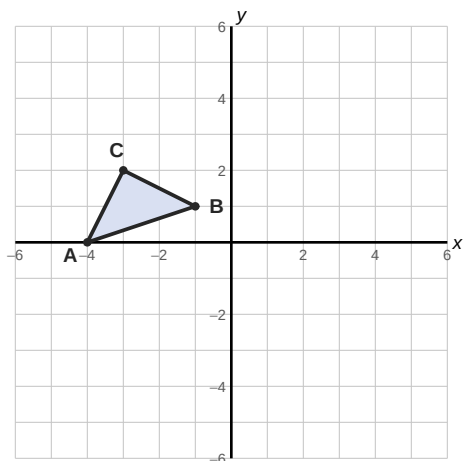


Image coordinates:

A' (,)

B' (,)

C' (,)

Original:

A (-4, 0)

B (-1, 1)

C (-3, 2)

12. Reflect the figure over the line $y = 1$.

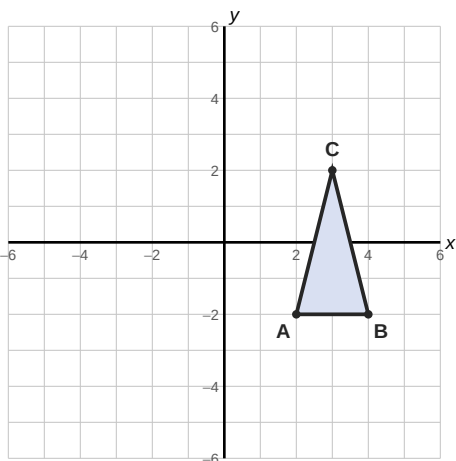


Image coordinates:

A' (,)

B' (,)

C' (,)

Original:

A (2, -2)

B (4, -2)

C (3, 2)