

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.

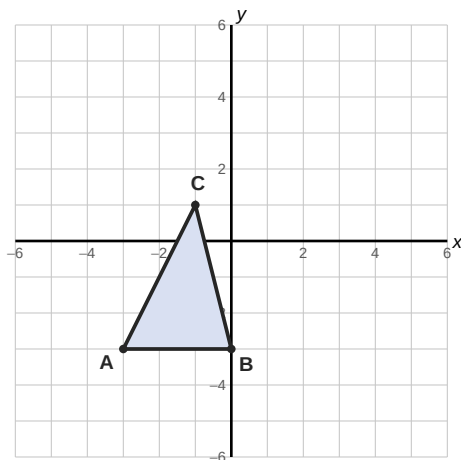


Image coordinates:

A' (,)

B' (,)

C' (,)

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

2. Reflect the figure over the y-axis.

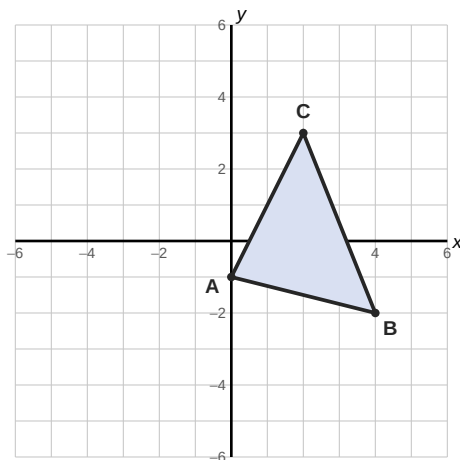


Image coordinates:

A' (,)

B' (,)

C' (,)

Original:
A (0, -1)
B (4, -2)
C (2, 3)

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

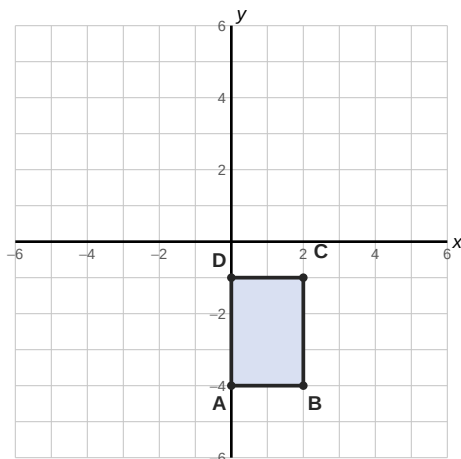


Image coordinates:

A' (,)

B' (,)

C' (,)

D' (,)

Original:
A (0, -4)
B (2, -4)
C (2, -1)
D (0, -1)

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

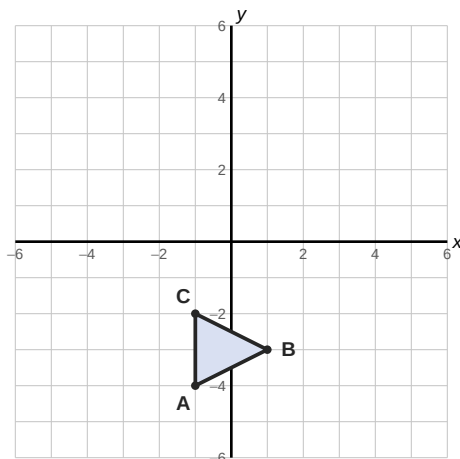


Image coordinates:

A' (,)

B' (,)

C' (,)

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

5. Reflect the figure over the x-axis.

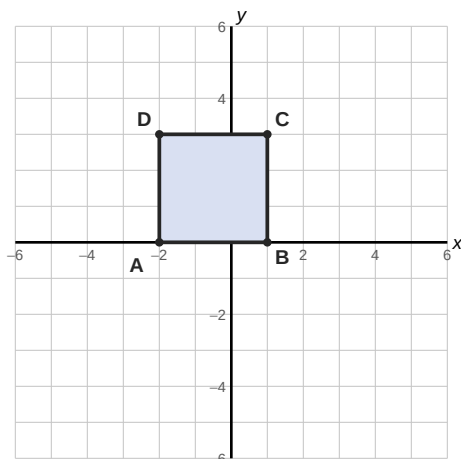


Image coordinates:

A' (,)

B' (,)

C' (,)

D' (,)

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

6. Reflect the figure over the y-axis.

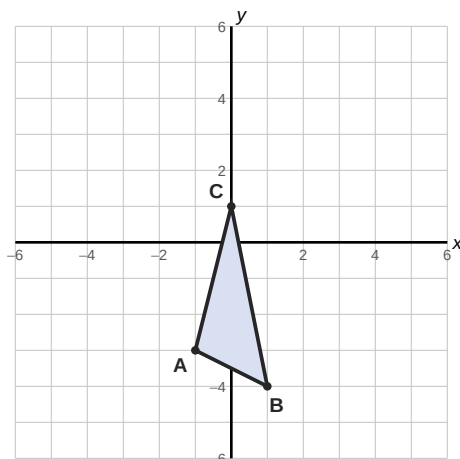


Image coordinates:

A' (,)

B' (,)

C' (,)

Original:
A (-1, -3)
B (1, -4)
C (0, 1)

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 $y = x$.

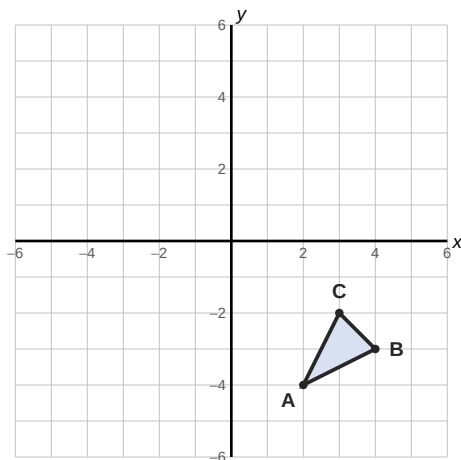


Image coordinates:

A' (,)

B' (,)

C' (,)

Original:

A (2, -4)

B (4, -3)

C (3, -2)

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

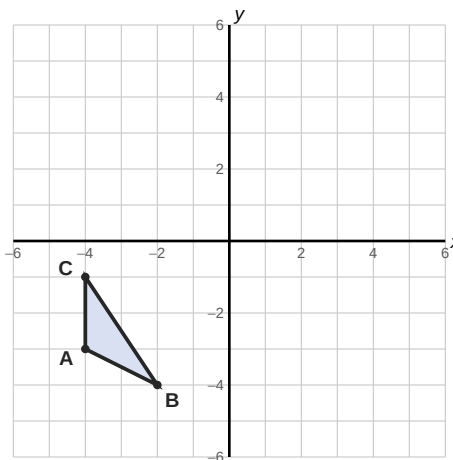


Image coordinates:

A' (,)

B' (,)

C' (,)

Original:

A (-4, -3)

B (-2, -4)

C (-4, -2)

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

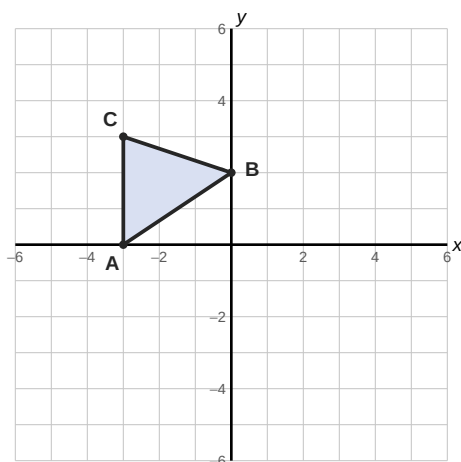


Image coordinates:

A' (,)

B' (,)

C' (,)

Original:

A (-3, 0)

B (0, 2)

C (-3, 3)

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

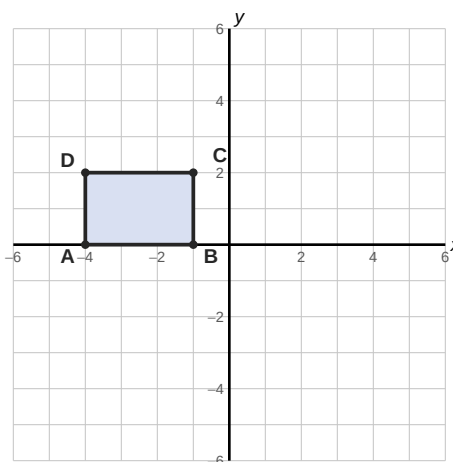


Image coordinates:

A' (,)

B' (,)

C' (,)

D' (,)

Original:

A (-4, 0)

B (-1, 0)

C (-1, 2)

D (-4, 2)

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

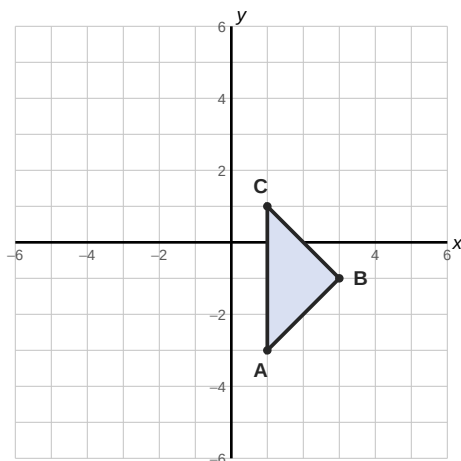


Image coordinates:

A' (,)

B' (,)

C' (,)

Original:

A (1, -3)

B (3, -1)

C (1, 1)

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

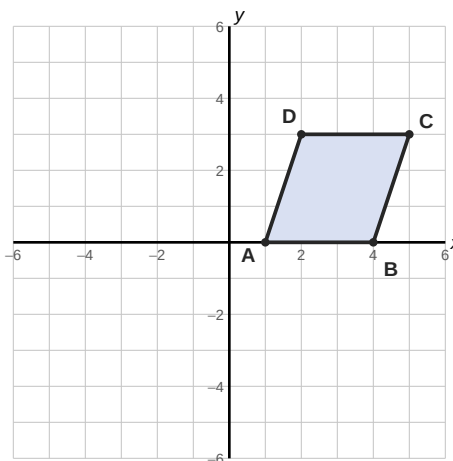


Image coordinates:

A' (,)

B' (,)

C' (,)

D' (,)

Original:

A (1, 0)

B (4, 0)

C (5, 3)

D (2, 3)