

Coordinate Transformations

Grades 6-8 • Reflections, translations, and rotations on the coordinate plane

Name: _____

Date: _____

1. Reflect the point (5, 6) across the x-axis

Answer: _____

2. Reflect the point (1, 3) across the x-axis

Answer: _____

3. Rotate the point (5, 2) 180° around the origin

Answer: _____

4. Translate the point (3, 8) by moving 2 units left and 3 units up

Answer: _____

5. Translate the point (4, 6) by moving 2 units right and 2 units down

Answer: _____

6. Translate the point (3, 7) by moving 2 units right and 3 units up

Answer: _____

7. Rotate the point (8, 8) 90° counterclockwise around the origin

Answer: _____

8. Reflect the point (6, 2) across the y-axis

Answer: _____

9. Rotate the point (5, 1) 180° around the origin

Answer: _____

10. Reflect the point (6, 3) across the x-axis

Answer: _____

Answer Key

1.	Reflect the point (5, 6) across the x-axis	(5, -6)
2.	Reflect the point (1, 3) across the x-axis	(1, -3)
3.	Rotate the point (5, 2) 180° around the origin	(-5, -2)
4.	Translate the point (3, 8) by moving 2 units left and 3 units up	(1, 11)
5.	Translate the point (4, 6) by moving 2 units right and 2 units down	(6, 4)
6.	Translate the point (3, 7) by moving 2 units right and 3 units up	(5, 10)
7.	Rotate the point (8, 8) 90° counterclockwise around the origin	(-8, 8)
8.	Reflect the point (6, 2) across the y-axis	(-6, 2)
9.	Rotate the point (5, 1) 180° around the origin	(-5, -1)
10.	Reflect the point (6, 3) across the x-axis	(6, -3)