Additional Problems: Transformations and Congruence

1. **and 270 Degree Rotations**
2. Given a point (x, y) on a geometric figure, what is the new point when the figure is rotated counterclockwise about the origin 90 degrees?
3. Given a point (-2, -5), what is the new point when the point is rotated counterclockwise about the origin 270 degrees?
4. Given a point (5, 6) on a geometric figure, what is the new point when the figure is rotated clockwise about the origin 90 degrees?
5. Given a point (-3, -7) on a geometric figure, what is the new point when the figure is rotated clockwise about the origin 90 degrees?
6. Given a point (-6, -8) on a line segment, what is the new point when the point is rotated counterclockwise about the origin 270 degrees?
7. What is the new point when you rotate a geometric figure with point (3, 4) 270 degrees counterclockwise about the origin?
8. What is the new point when you rotate a geometric figure with point (-4, -6) 90 degrees clockwise about the origin?
9. What is the new point when you rotate a geometric figure with point (2, 3) 90 degrees clockwise about the origin?
10. Rotate the point (3, 4) on a geometric figure 270 degrees clockwise. What is the new point?
11. Rotate the point (-2, -5) on a geometric figure 270 degrees clockwise. What is the new point?