



Coordinate Plane Reflections

Today's Standard

6.NS.C6b - Understand signs of numbers in ordered pairs as indicating locations in quadrants of the coordinate plane; recognize that when two ordered pairs differ only by signs, the locations of the points are related by reflections across one or both axes.

Cues	Notes
What is the coordinate plane?	The coordinate plane consists of an x-axis and y-axis that intersect at the origin (0,0).
How do signs affect point locations?	The signs of the numbers in an ordered pair determine the quadrant in which the point is located.
What are reflections across axes?	Reflections across the axes mean that points with opposite signs are mirror images of each other.
Why are ordered pairs important?	Ordered pairs are crucial for locating points on the coordinate plane and understanding their relationships.
How are points related by signs?	Points that differ only by signs are related by reflections across one or both axes.

Summary

Understanding the coordinate plane and how the signs of ordered pairs affect point locations is essential for mastering reflections and relationships between points.