

G8 Playlist: Finding the Distance Between Two Points

Aligns with *CCSS.MATH.CONTENT.8.G.B.8*: Apply the Pythagorean Theorem to find the distance between two points in a coordinate system.

Related Standards

- 8.G.6 Explain a proof of the Pythagorean Theorem and its converse.
- 8.G.7 Apply the Pythagorean Theorem to determine unknown side lengths in right triangles in real-world and mathematical problems in two and three dimensions.

PREVIEW



Objectives

In this module, you will learn and practice the following skills:

- Find vertical and horizontal distances on a coordinate plane.
- Use the Pythagorean Theorem to find the distance between two points.

Let's get started!

Key Terms

- The **Pythagorean Theorem** states that for any right triangle with legs a and b and hypotenuse c , the relationship $a^2 + b^2 = c^2$ is true.
- A **horizontal** line moves directly sideways (left and right).
- A **vertical** line moves directly up and down.

PREVIEW

