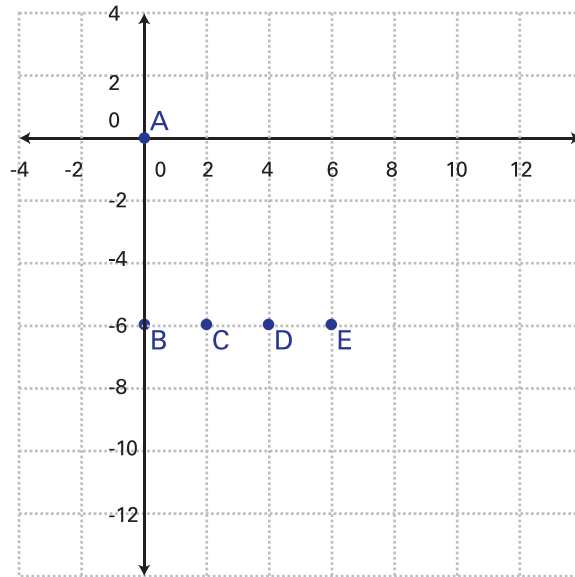


TASK
2

Name _____

The Distance Between Us

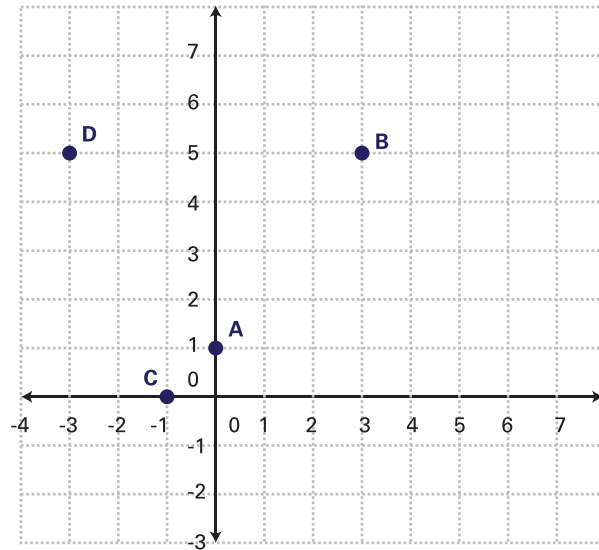
1. After studying the coordinate plane below, Louis claims that because B, C, D, and E are 2 units apart from each other, then AC is two units greater than AB, AD is 2 units greater than AC, and AE is 2 units greater than AD.



Do you agree or disagree with Louis? Explain your reasoning. Use diagrams, words, and/or equations in your explanation.

TASK
2

2. Draw line segments AB and CD on the coordinate plane below.



Donna claims: "To get from A to B, I can move over 3 and up 4. To get from C to D, I can move over 2 and up 5. Since both of these paths are 7 units long, $AB = CD$."

Explain to Donna why her reasoning is incorrect. Use diagrams, words, and/or equations in your explanation.