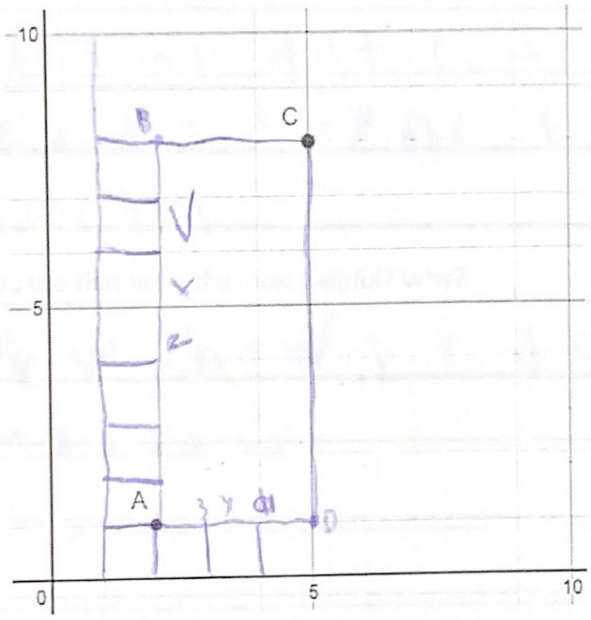
Place your responses to the two questions on the coordinate plane below.

Geometric Reasoning – Grade 6

Installing Safety Fencing for a Backyard Kennel

A veterinarian recently purchased a house with a large backyard. She has plans to build a veterinary clinic and animal kennel on that piece of land. To provide safety for the animals, the veterinarian will be installing a tall, rectangular backyard fence. The clinic and kennel buildings will be located inside that fenced area. Two plotted points (A, C) for the backyard fence are in place (see coordinate plane below). The two coordinate points for the rectangular fence are A (2,1) and C (5,8).

1. Determine the remaining two points (B and D) and their coordinates to complete rectangle fence. Place the remaining two plot letter points, clockwise, on the coordinate plane below.
2. Draw lines to connect the points to create the rectangular fence. Once the rectangle has been created, determine the length of side $\overline{AB}$ and the length of side $\overline{AD}$. (The graph coordinates are measured in yards.)



PART 2 - PROCESS QUESTION (5 MINUTES)

In your own words, explain how you solved this problem. Explain what you did and why you did it.

I lined up B and D with A and C and counted the squares from A to B and D and I did it the easy-it way

PART 3 – REFLECTION QUESTIONS (5 MINUTES)

After you have responded to the two problems on this assessment (Part 1) and explained your thinking on how you went about solving those two assessment problems (Part 2), complete these reflection questions.

1. How confident are you in your solutions? Why?

Very, it was different way and took never want to do something Point left Hard

2. What were your greatest challenges and how did you try to overcome them?

I was confused on where to But the dot (. I just Decides to line the thing though

3. What strategies did you use that were the most helpful? Why?

I knew how to do it, Sqit was easy.