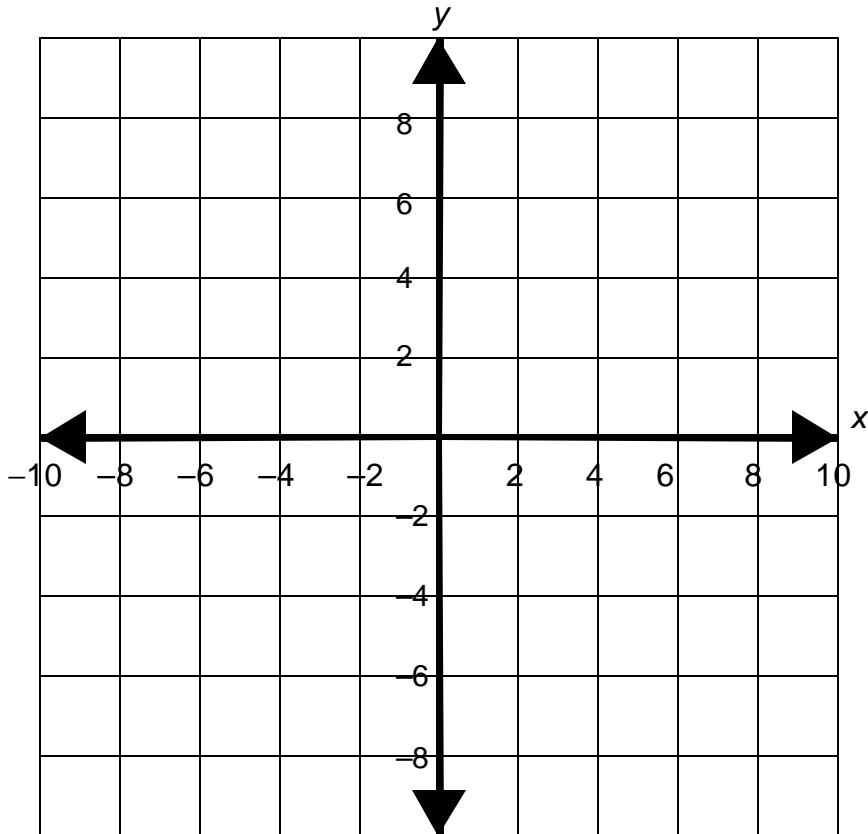


## Sample ISAT Open Response

1. Anthony is given three points:  $A(4, 2)$ ,  $B(10, -4)$ , and  $D(0, -2)$ . Determine the coordinates for  $C$  if he is to create the rectangle  $ABCD$ . Plot the points on the coordinate graph. Use coordinate geometry to prove that quadrilateral  $ABCD$  is a rectangle.

Show all your work. **Explain in words** *how* you got your answer and *why* you used the steps you did to solve the problem.



Course 3, Lesson 11-2

## Sample ISAT Open Response

2. Amy's school just introduced a new dress code. Students must wear dress slacks, belts, and collared shirts. Below are the color choices for each item.

Slacks	Shirts	Belts
black	white	black
navy blue	red	brown
khaki	green	

Create a tree diagram showing all the different combinations of outfits Amy can wear. Then find the probability that she will wear black pants, a white shirt, and a black belt.

Show all your work. **Explain in words** how you got your answer and *why* you did the steps you did to solve the problem.

*Course 3, Lesson 9-5*