

CREATE YOUR OWN BOOK

Homework: You are to create your own children's book on how YOU created the Cartesian Coordinate System. Your book will need to explain why it was needed to invent the graphing system and how the system works (you may not use a messy room as your book's reason). Your book must have a minimum of 6 pages, be written in complete sentences, and have illustrations (stick men are fine, so is clipart). Your book will need to include the following vocabulary words and what they mean: x-axis, y-axis, quadrant, x-coordinate, y-coordinate, coordinate plane, ordered pairs, and origin. Your book should have a minimum of 3 examples of how to plot points. You will be graded on the following rubric:

What I'm scoring you on:	1 Beginner C- and below	2 Admirable B/C range	3 Exceptional A range	Your score:
Vocabulary	5 or less words are defined or more than two words have a definition that is incorrect.	At least 6 of the 8 vocabulary words are defined with a clear meaning or all of the words are defined, but the meaning is not clear.	x-axis, y-axis, quadrant, x-coordinate, y-coordinate, coordinate plane, ordered pairs, and origin are all defined in the book so that their meaning is very clear.	0-1-2-3
Examples Given	One example is given and done correctly, or three examples are given but 2 of them are incorrect.	Two examples are given and done correctly, or Three examples are given, but one of them is incorrect or all of them use positive numbers only.	Three examples are given that show how ordered pairs are plotted. The examples use some positive and some negative numbers.	0-1-2-3
Story and explanation	The author used the messy room example or the story does not explain how the system works.	An original story is written but the explanation of how the system works is not explained well.	An original story is written and the explanation of how the Cartesian Coordinate system works is very clear.	0-1-2-3
General	The story has some complete sentences, a lot of English errors, and more than 2 math words spelled incorrectly.	The story has complete sentences, some English errors, and at most 2 math words spelled incorrectly.	The story has complete sentences, minimal English errors, and all math words are spelled correctly.	0-1-2-3
Work Ethic and Creativity	Time spent on the book was obviously minimal.	Book reflects some time and effort. The story had some creativity.	Book reflects considerable time and effort. The story was creative.	0-1-2-3