

Проектная работа: «Графики улыбаются»

Цель работы: повторить и закрепить знания, полученные в ходе изучения графиков функций и их преобразований.

Выполнила:

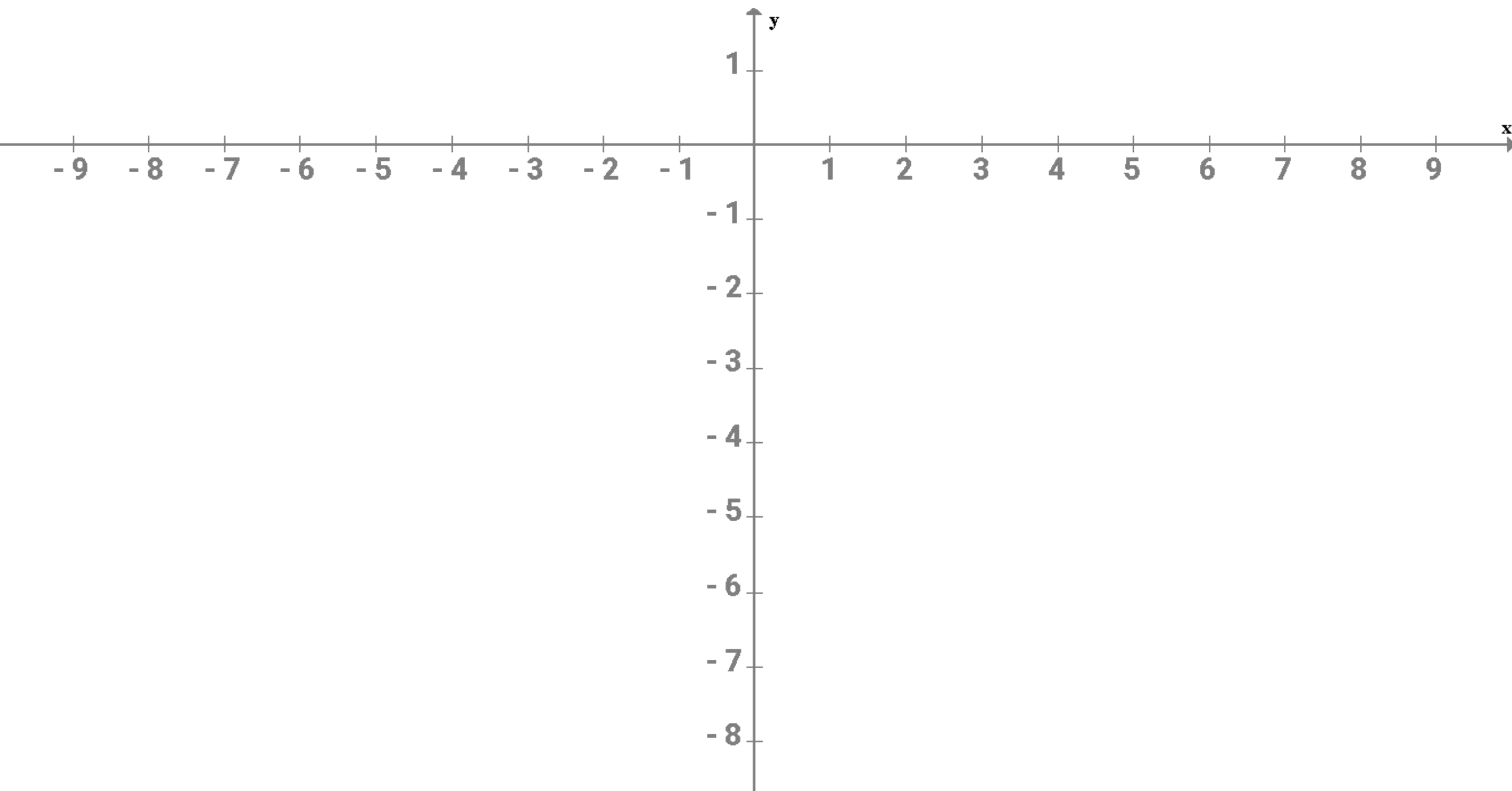
Синяк Елизавета 10
класс МБУ СШ № 72

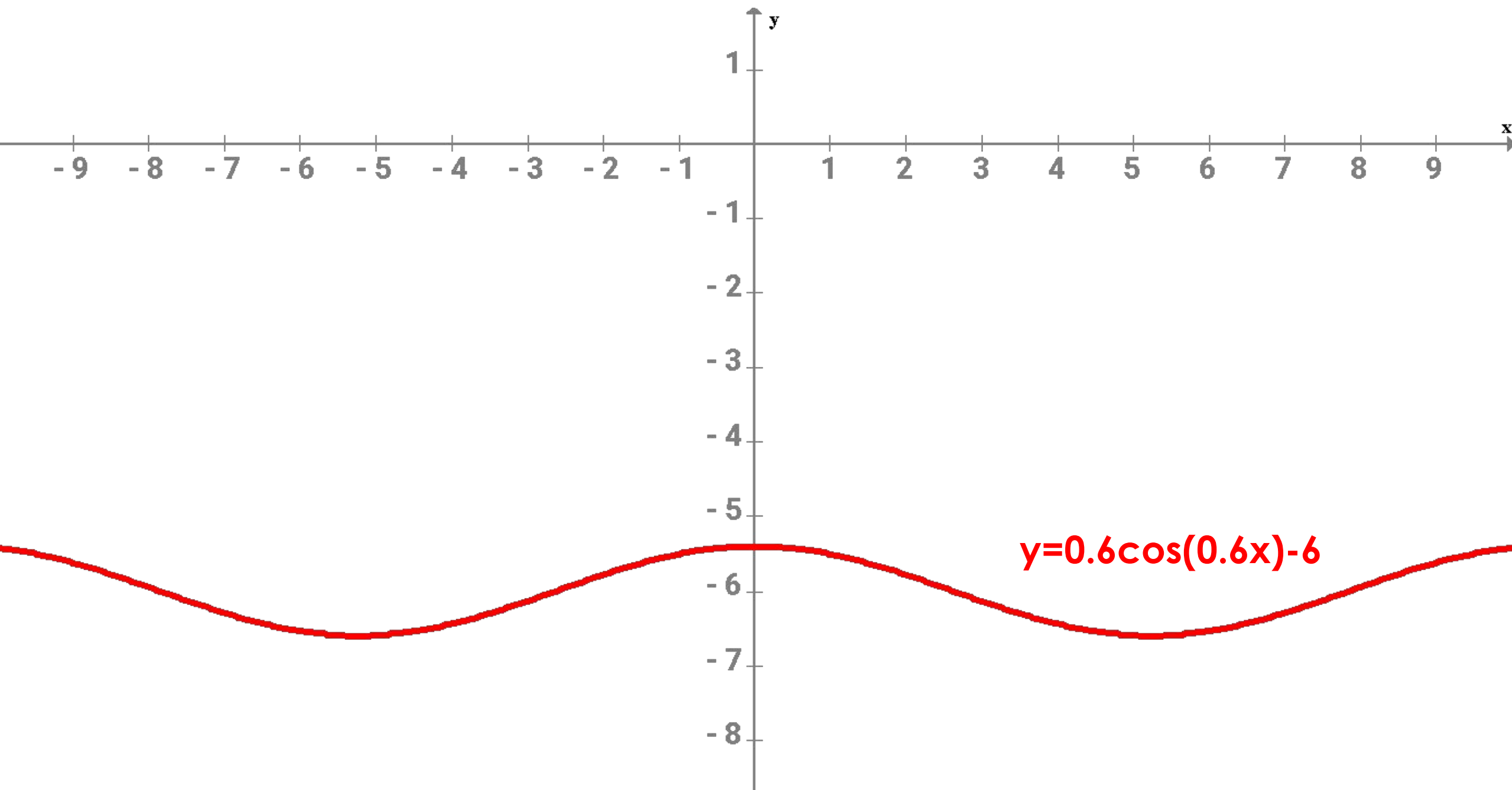
Проверила:

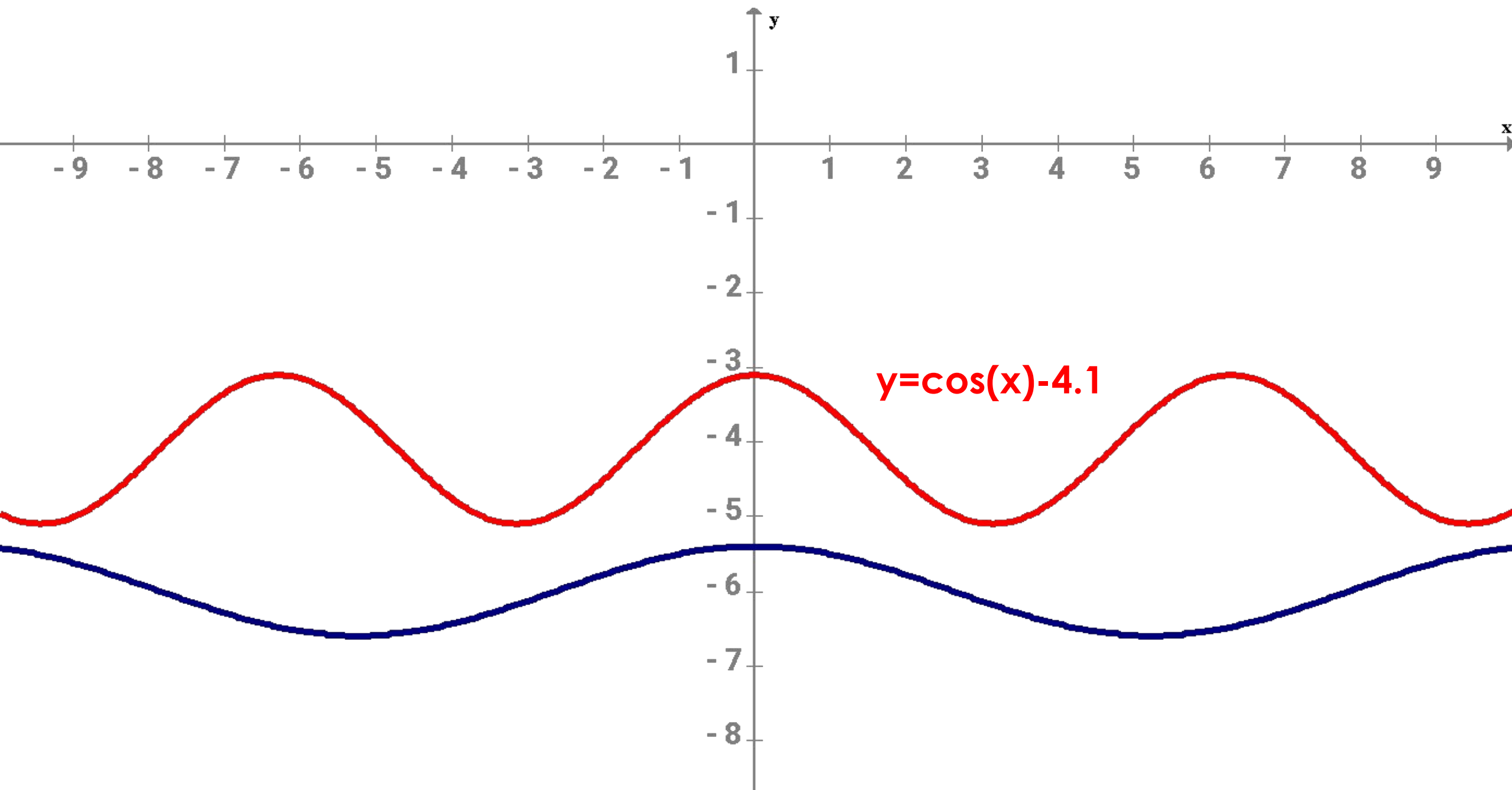
Колотилина Елена Аркадьевна
КРАСНОЯРСК 2017 г

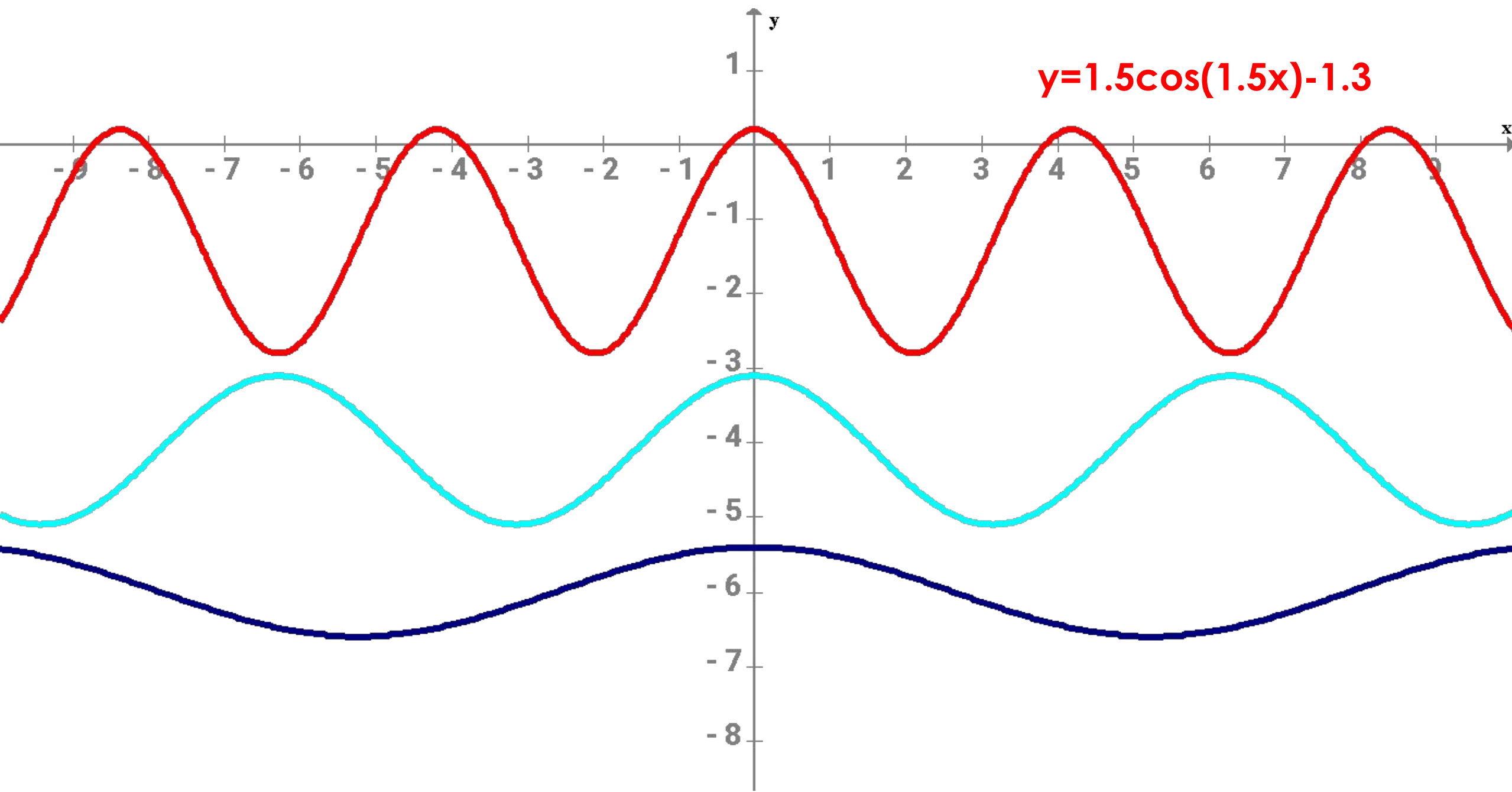
Данная работа является результатом проекта по теме: “Преобразование графиков различных функций”. Она дала возможность не только показать свои знания по данному материалу, но и проявить творчество, показывая постепенное превращение задумки автора в законченную картину. На каждом этапе показана область определения соответствующей части графика функции. Работа выполнена с привлечением компьютерной программы для построения графиков функций.

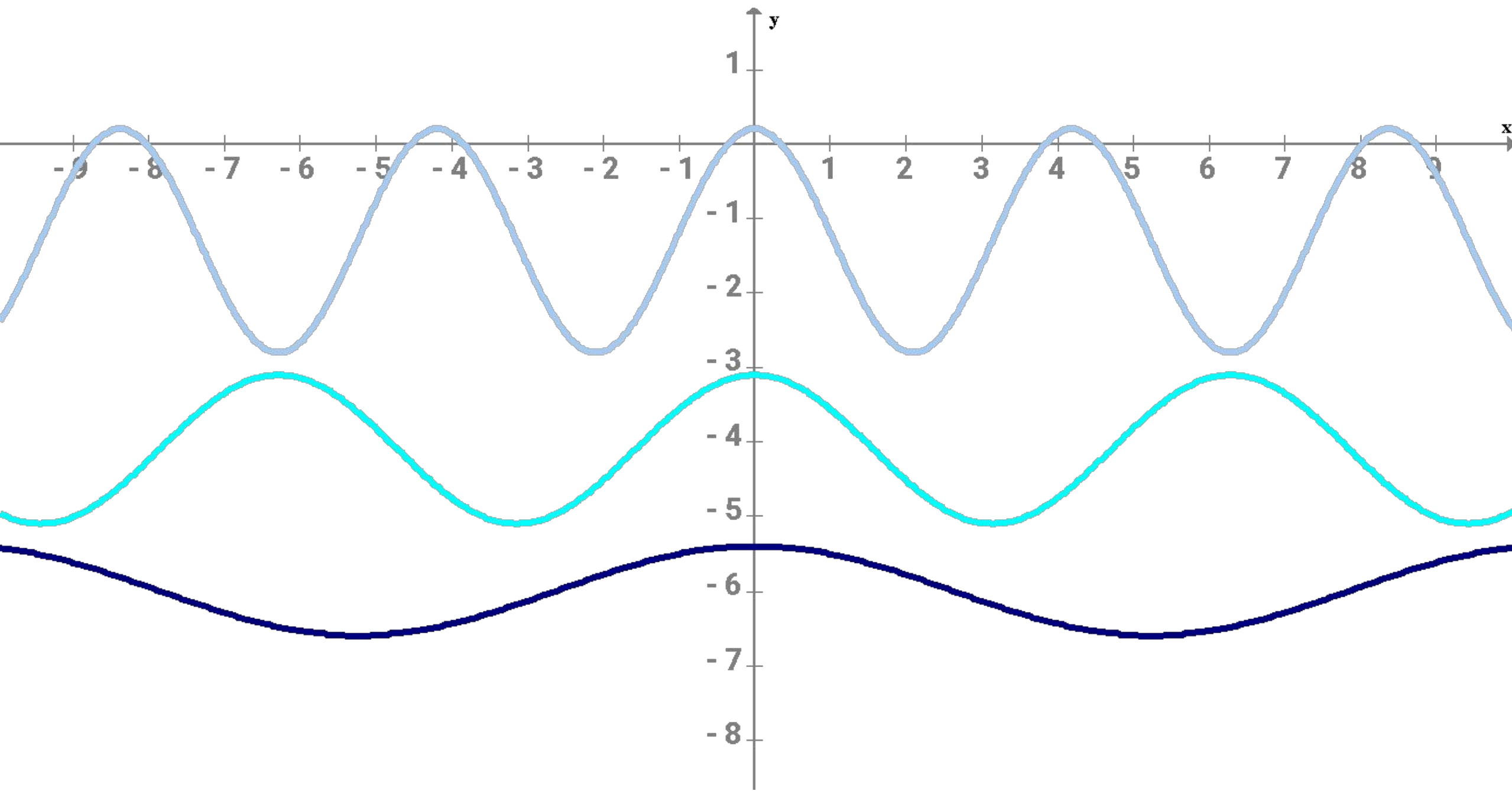
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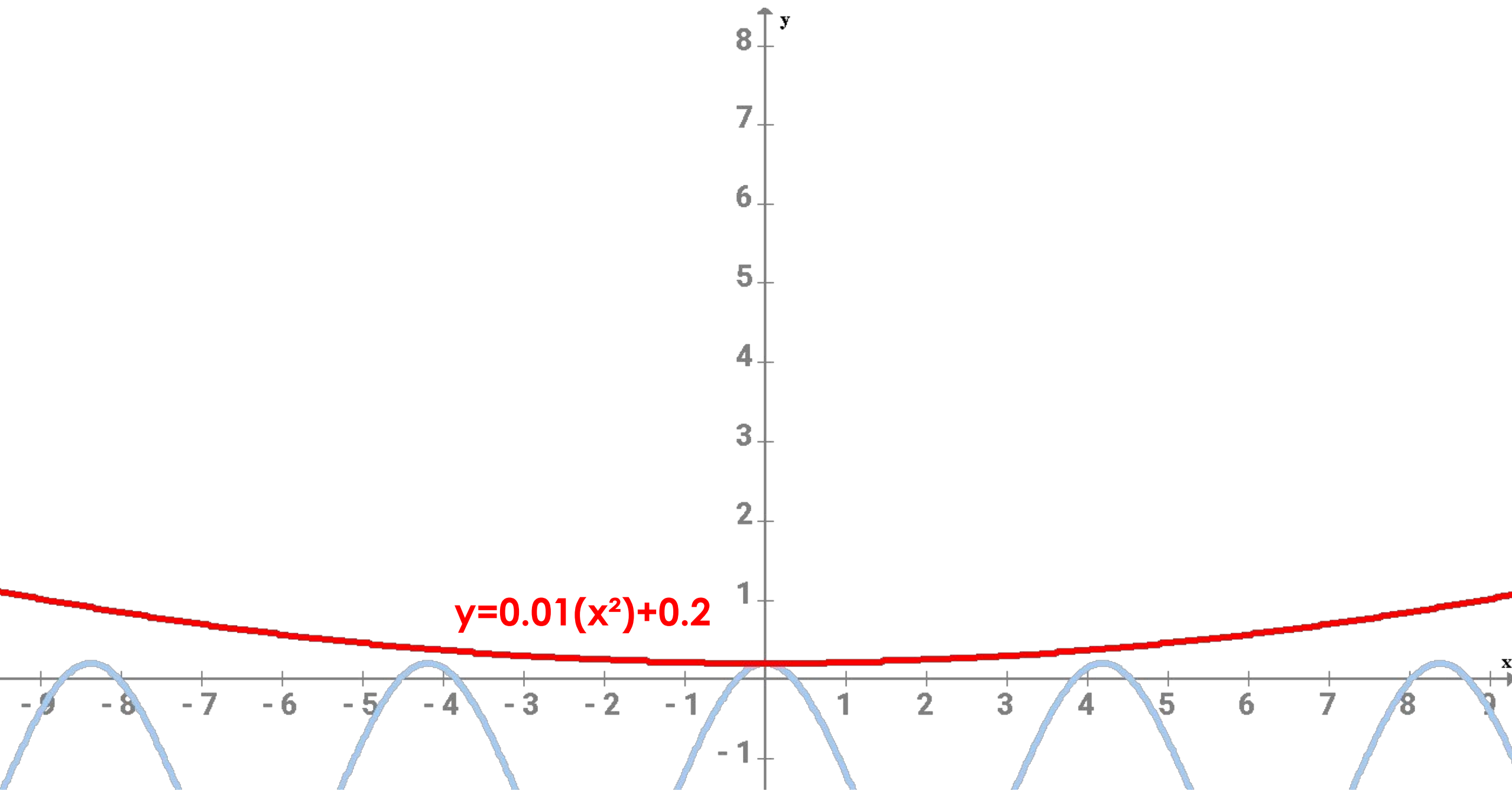


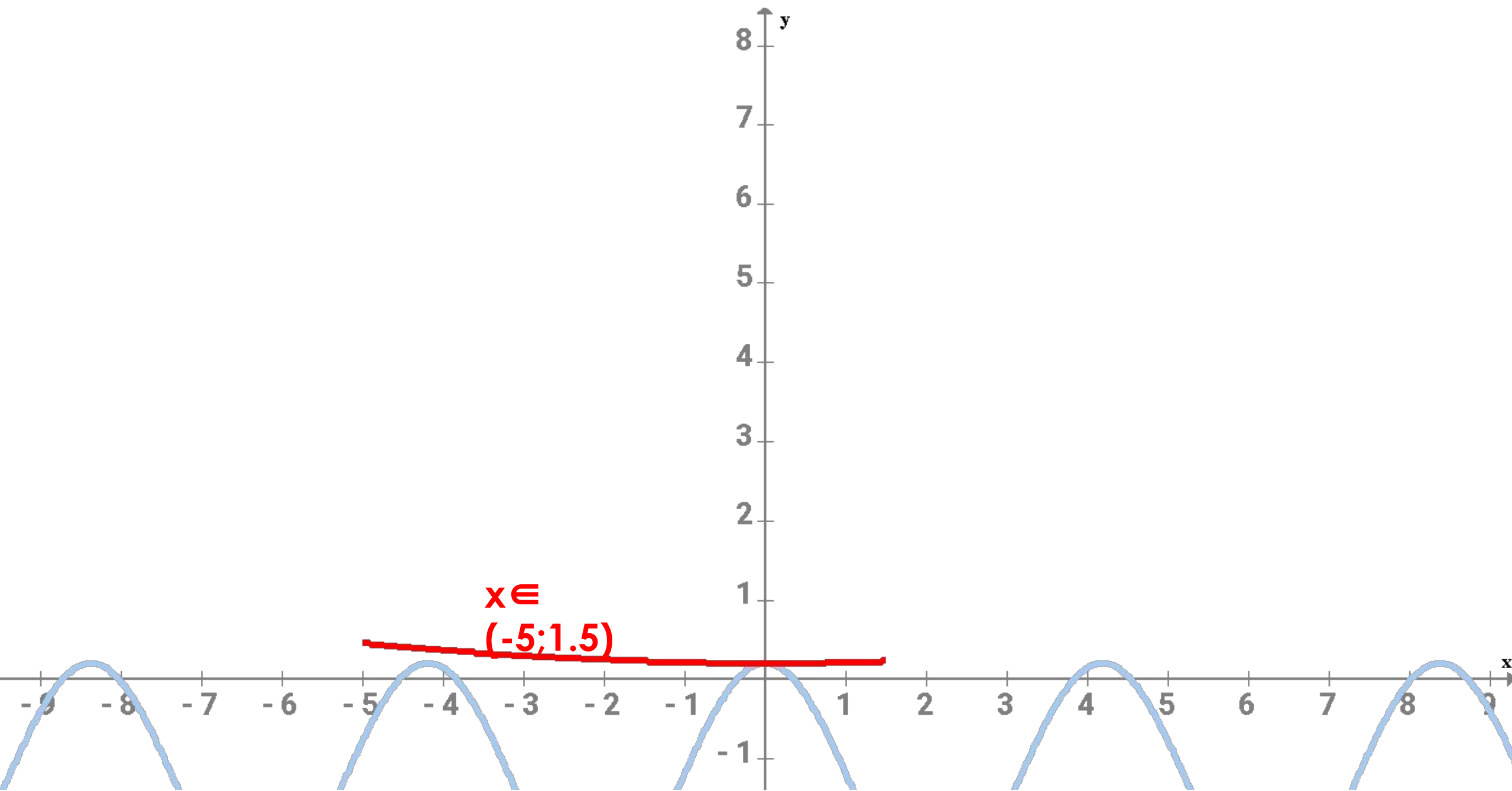


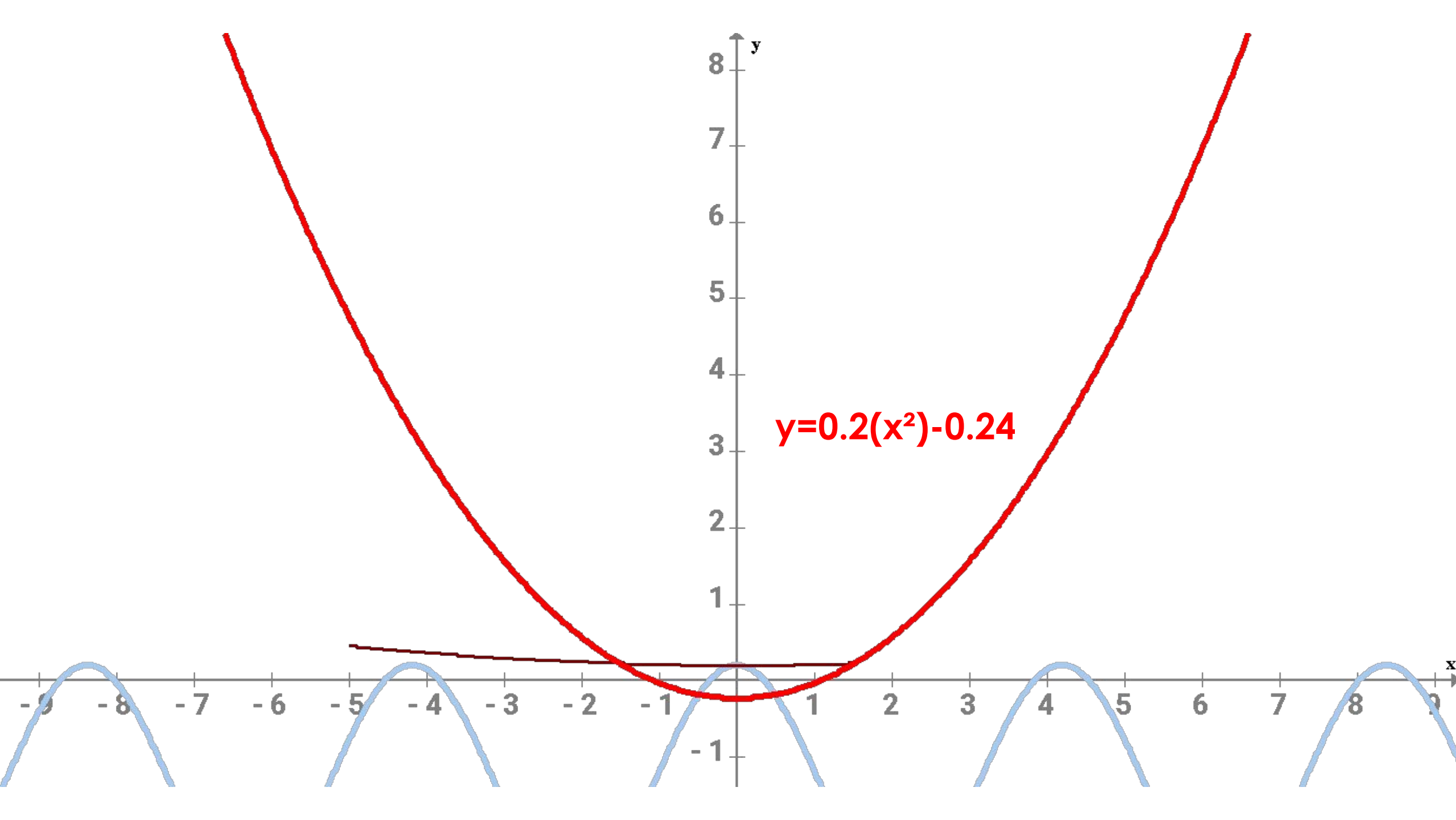


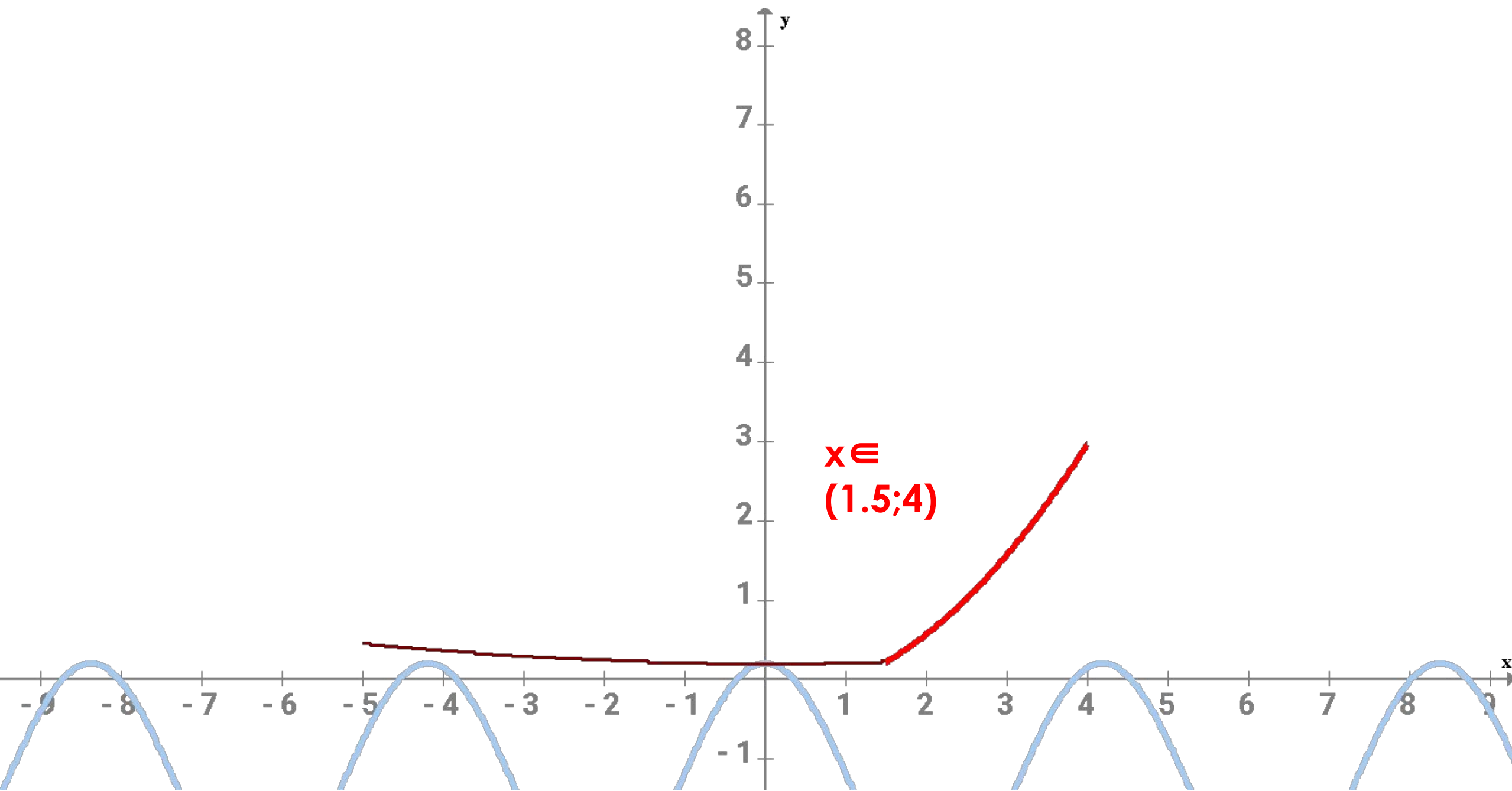


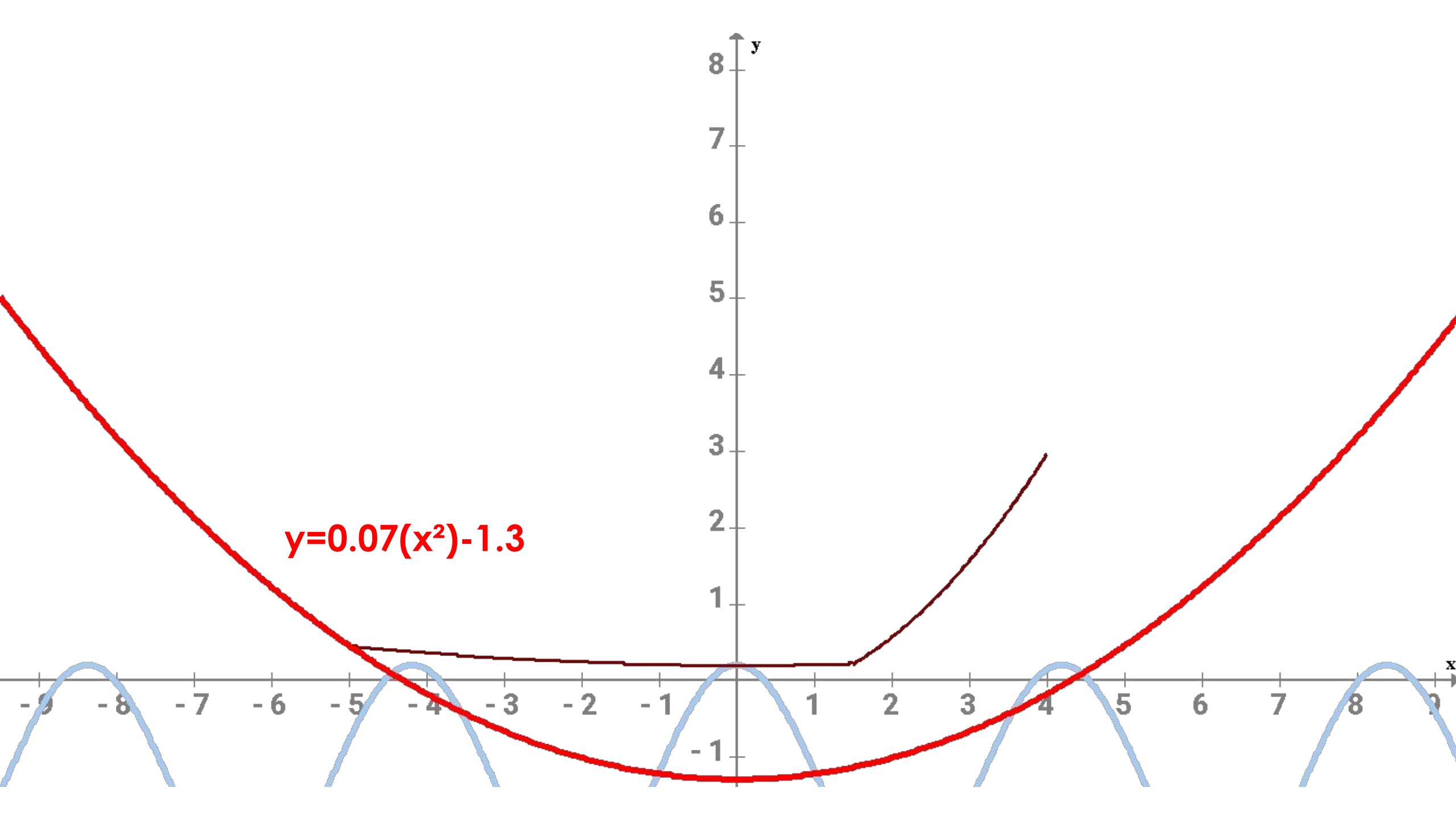
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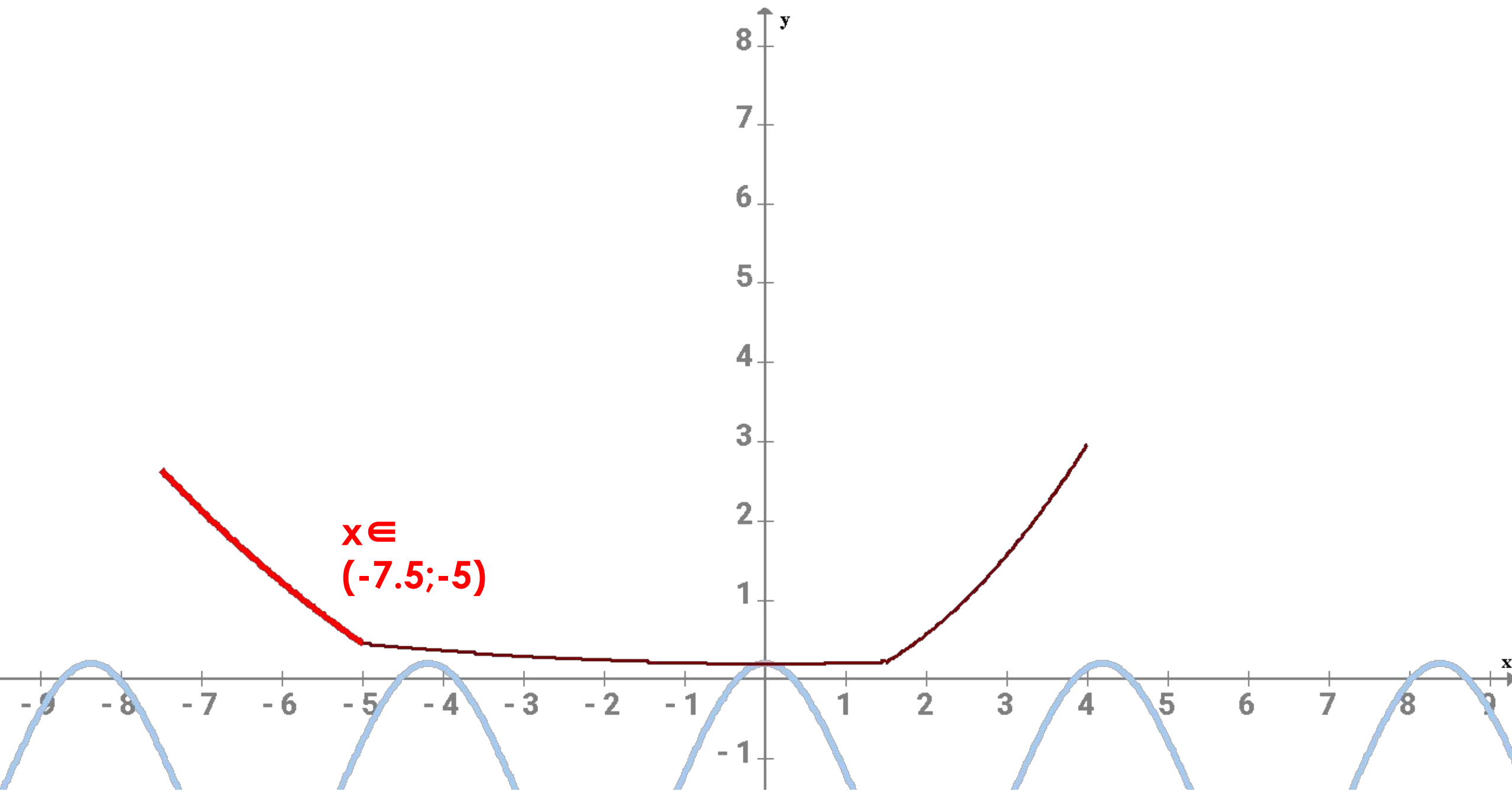


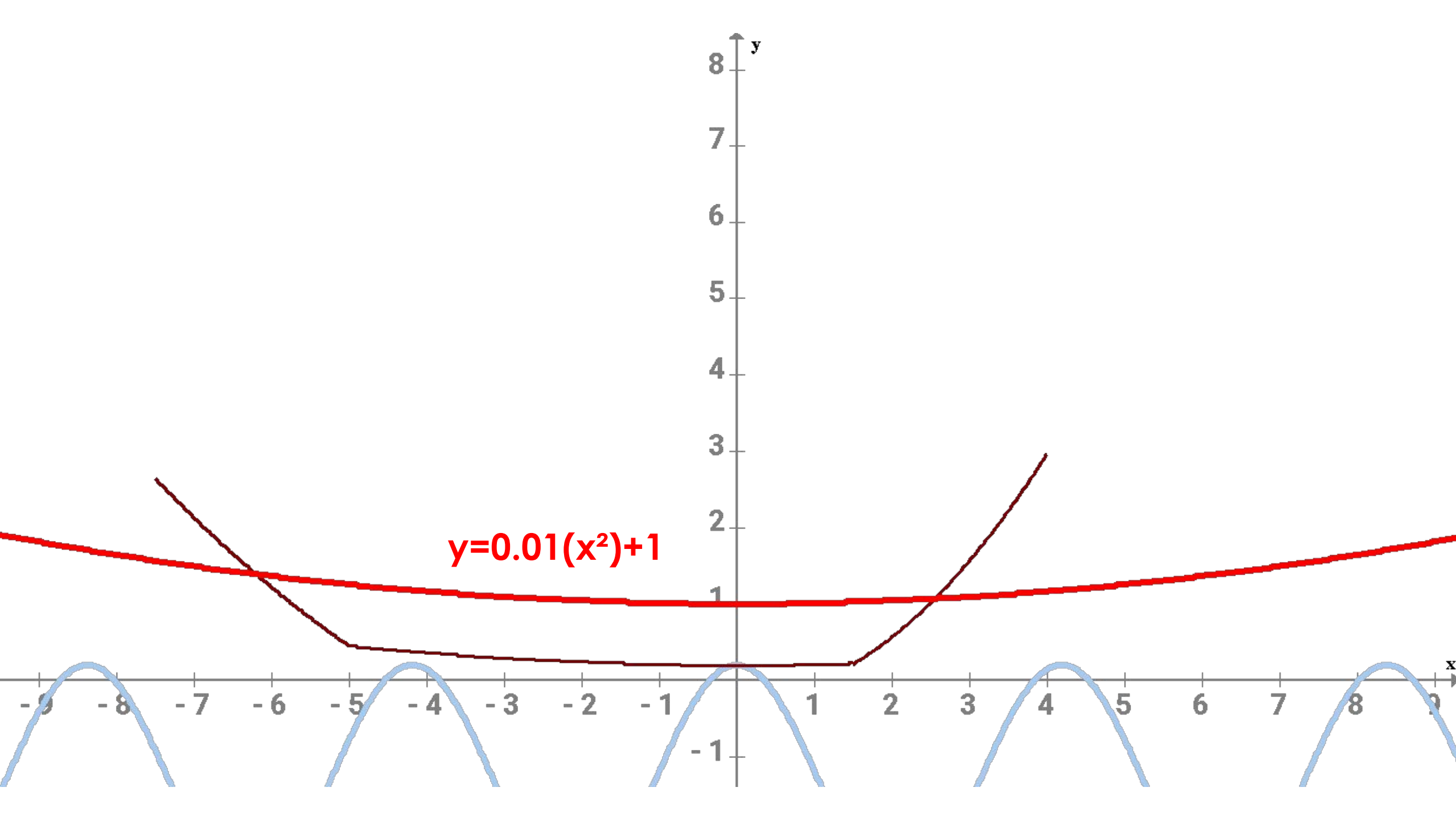


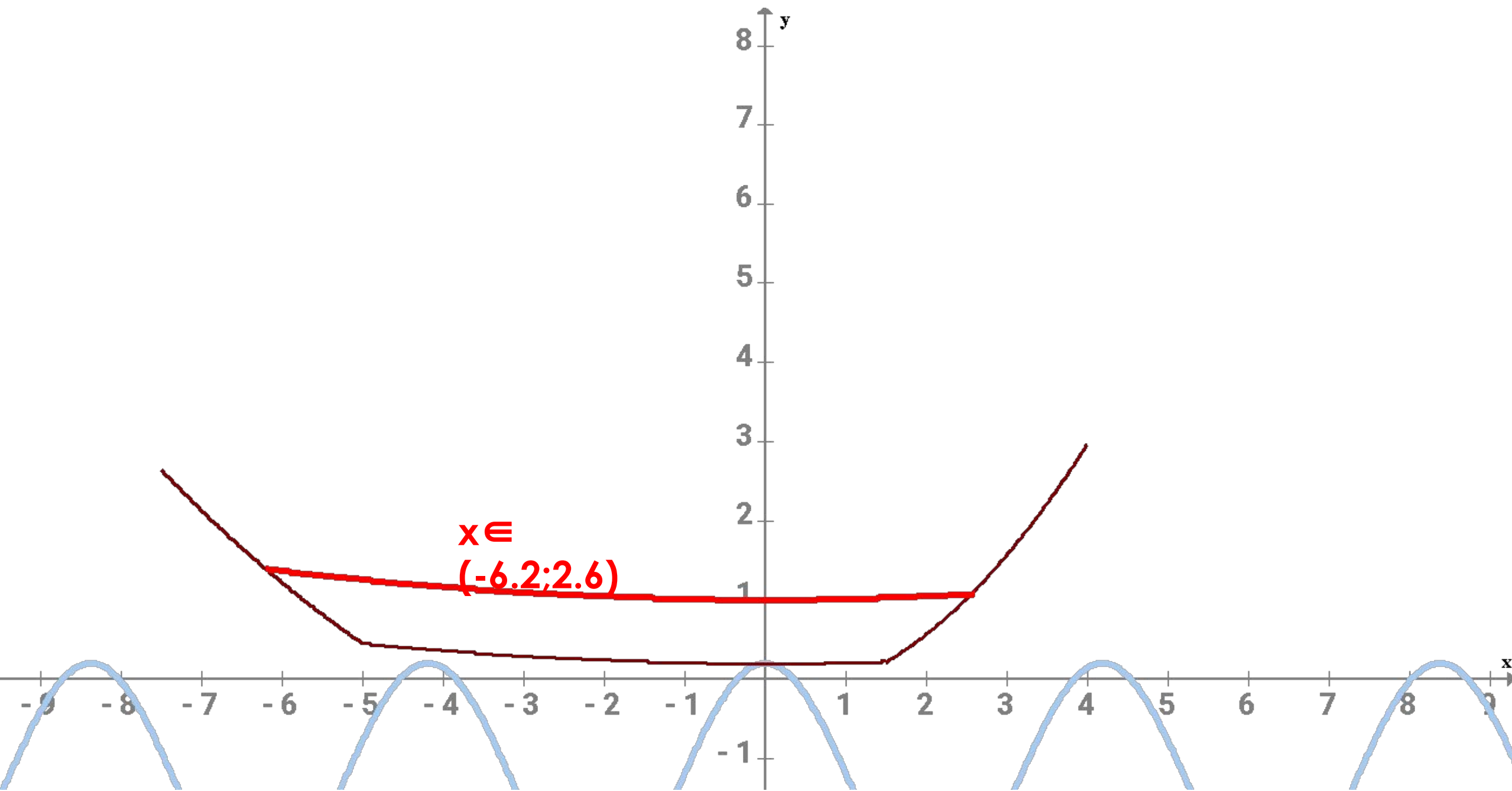


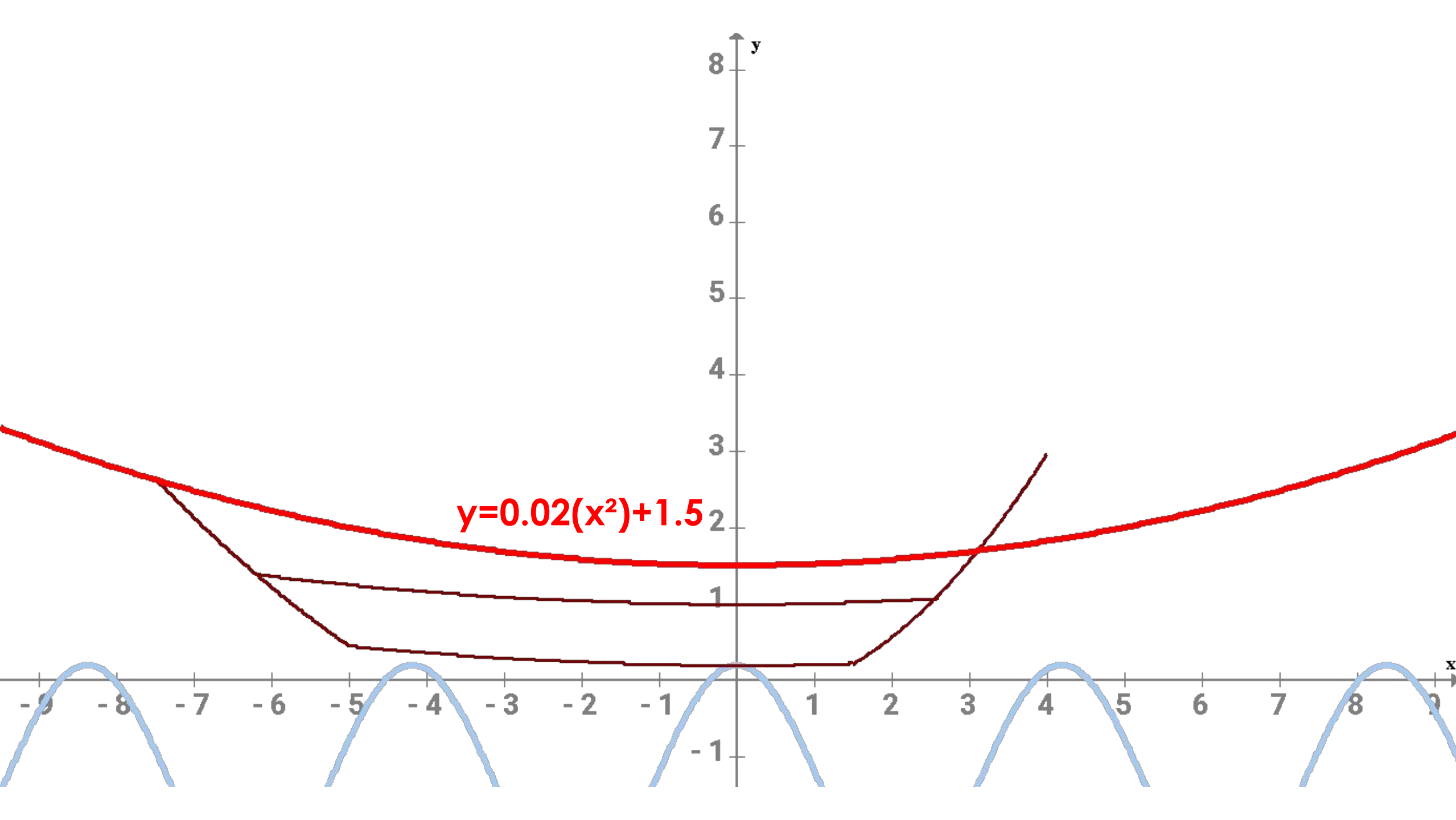


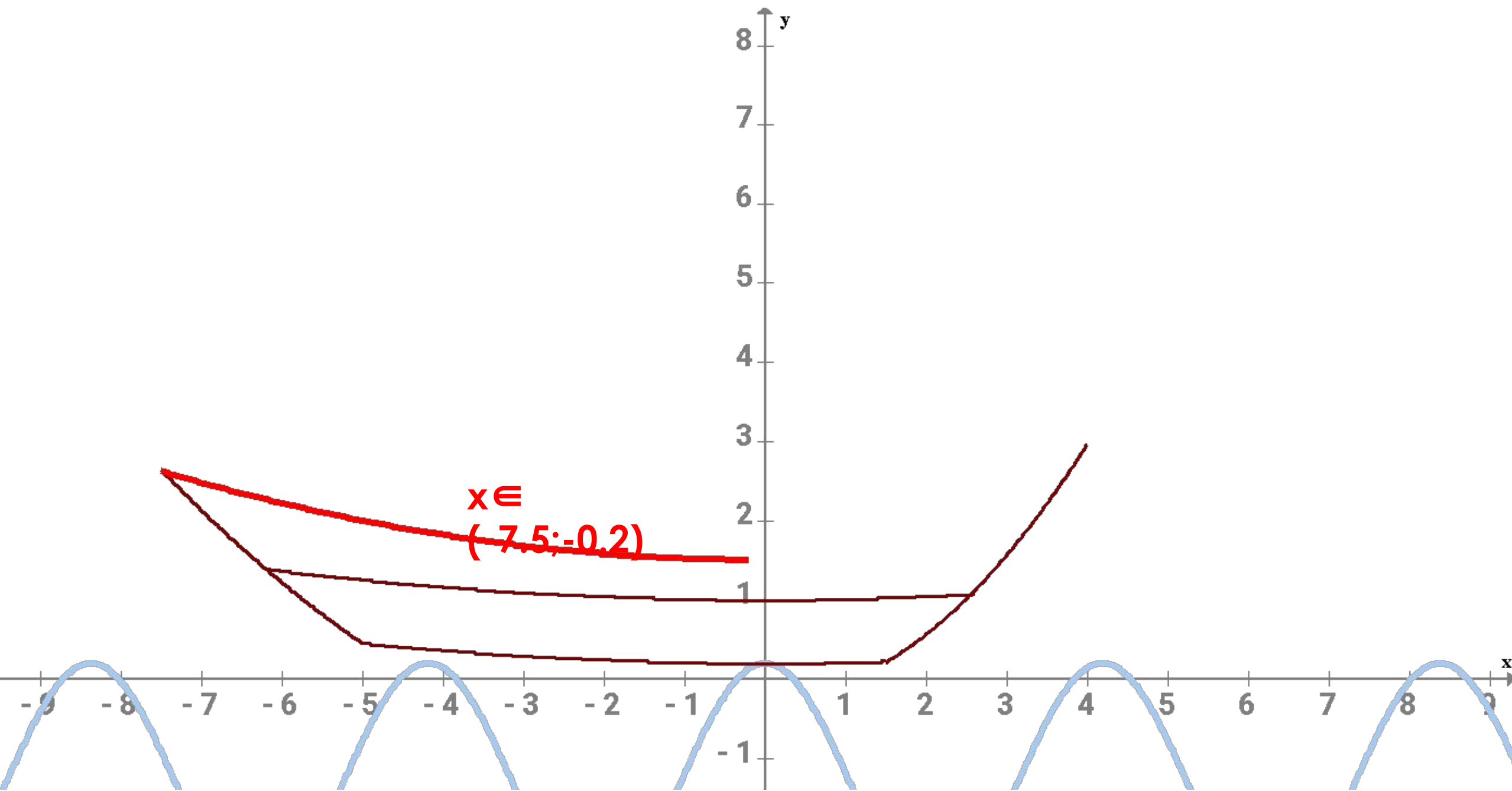


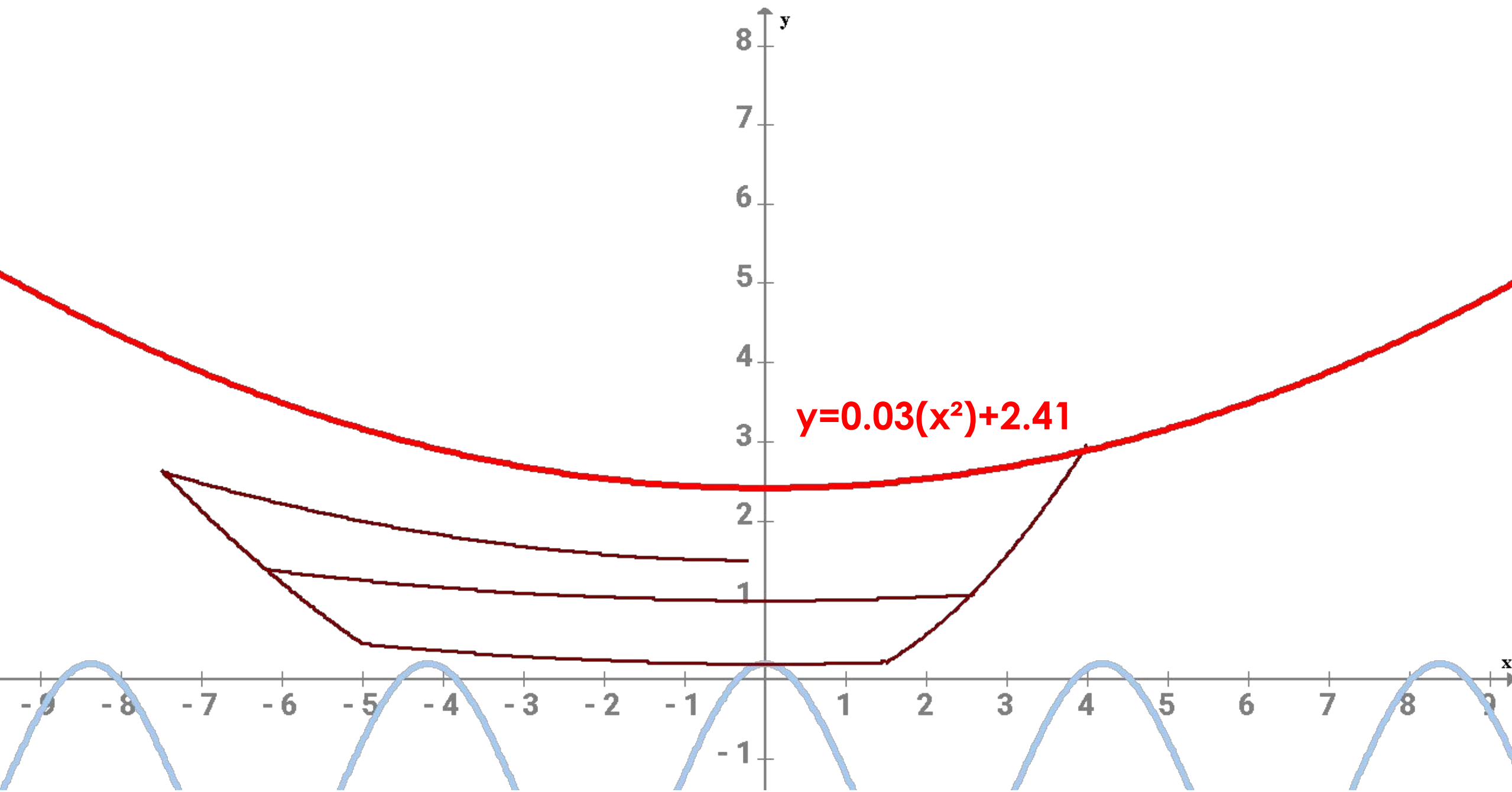


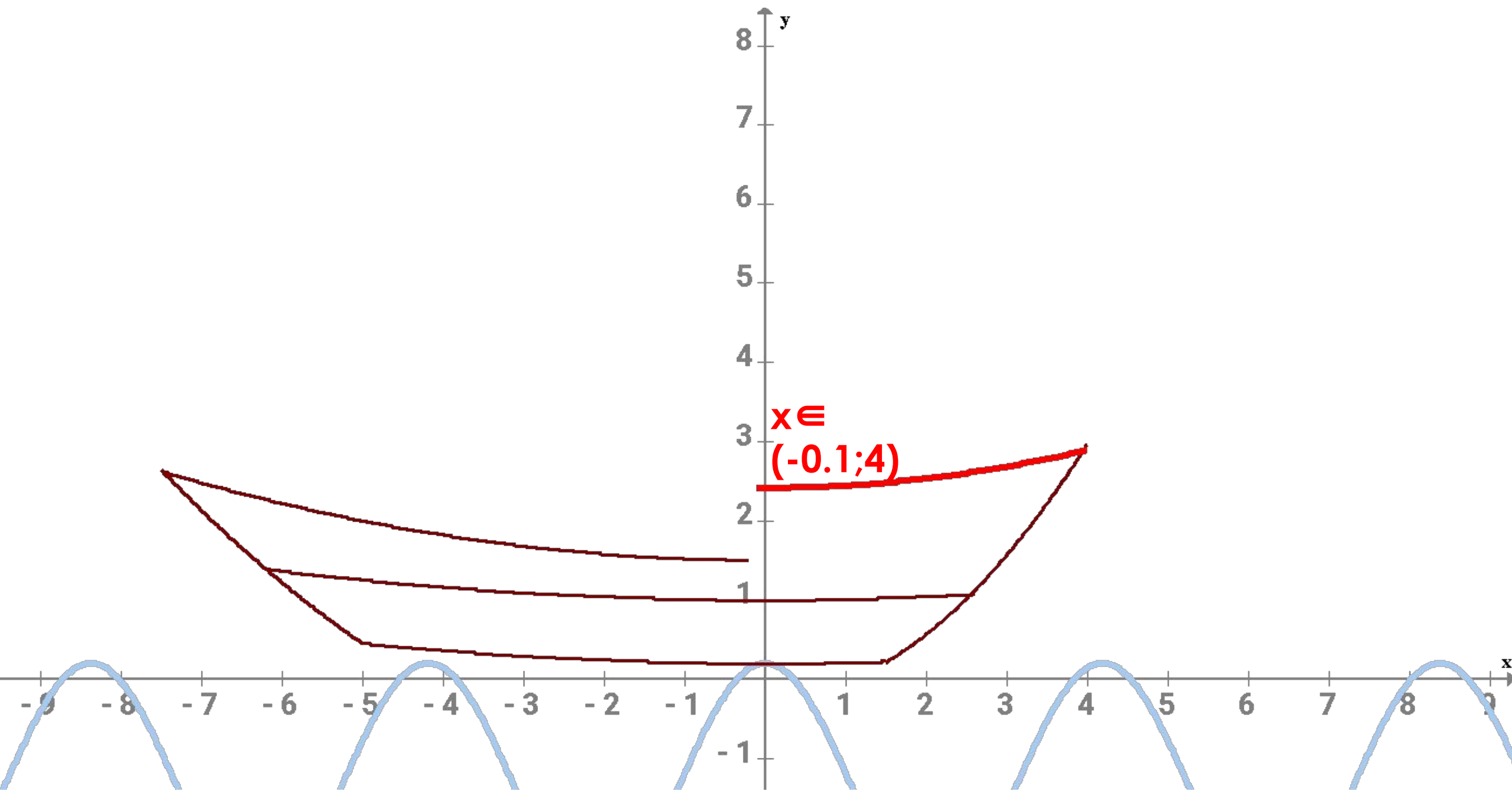


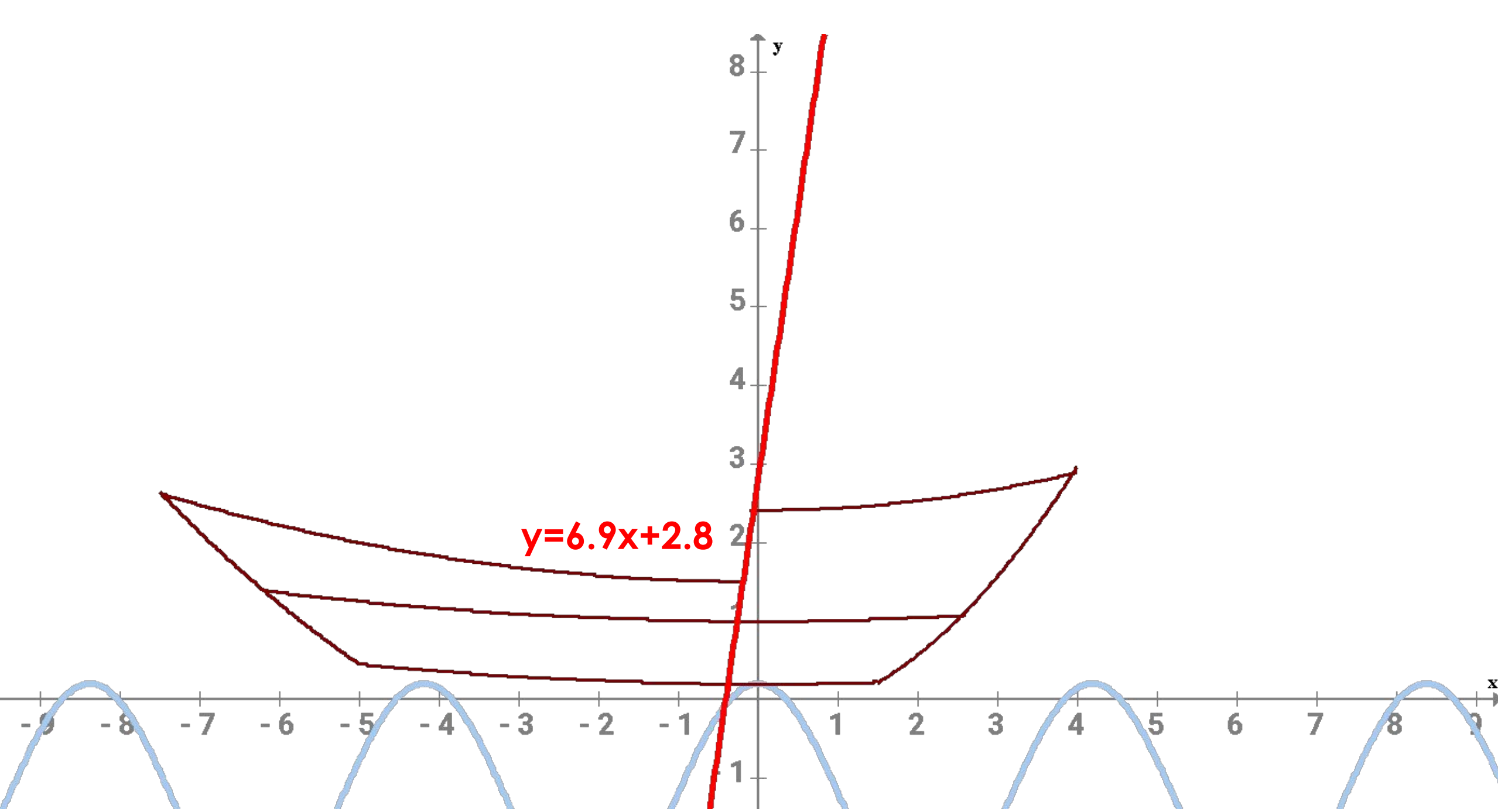


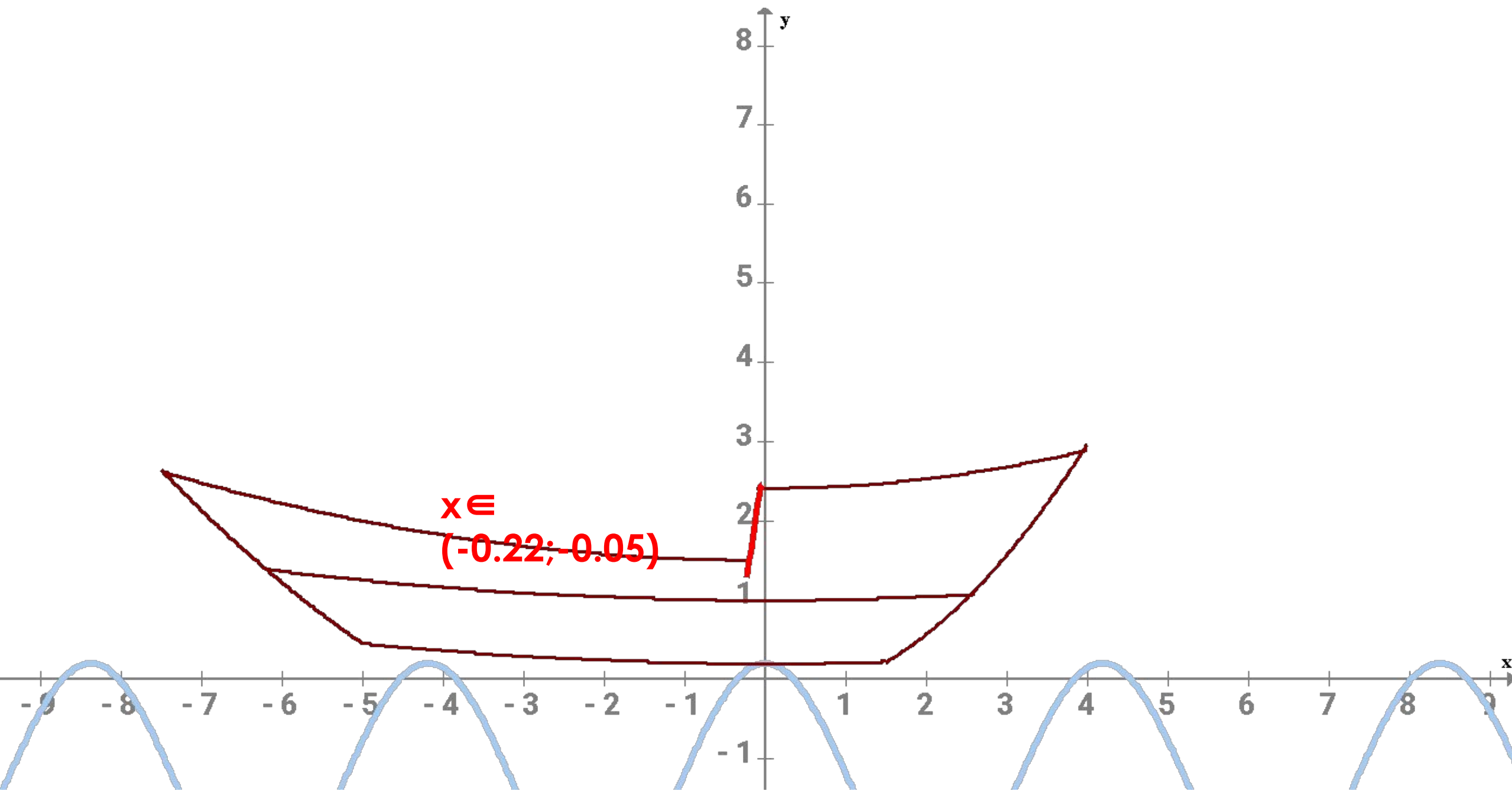


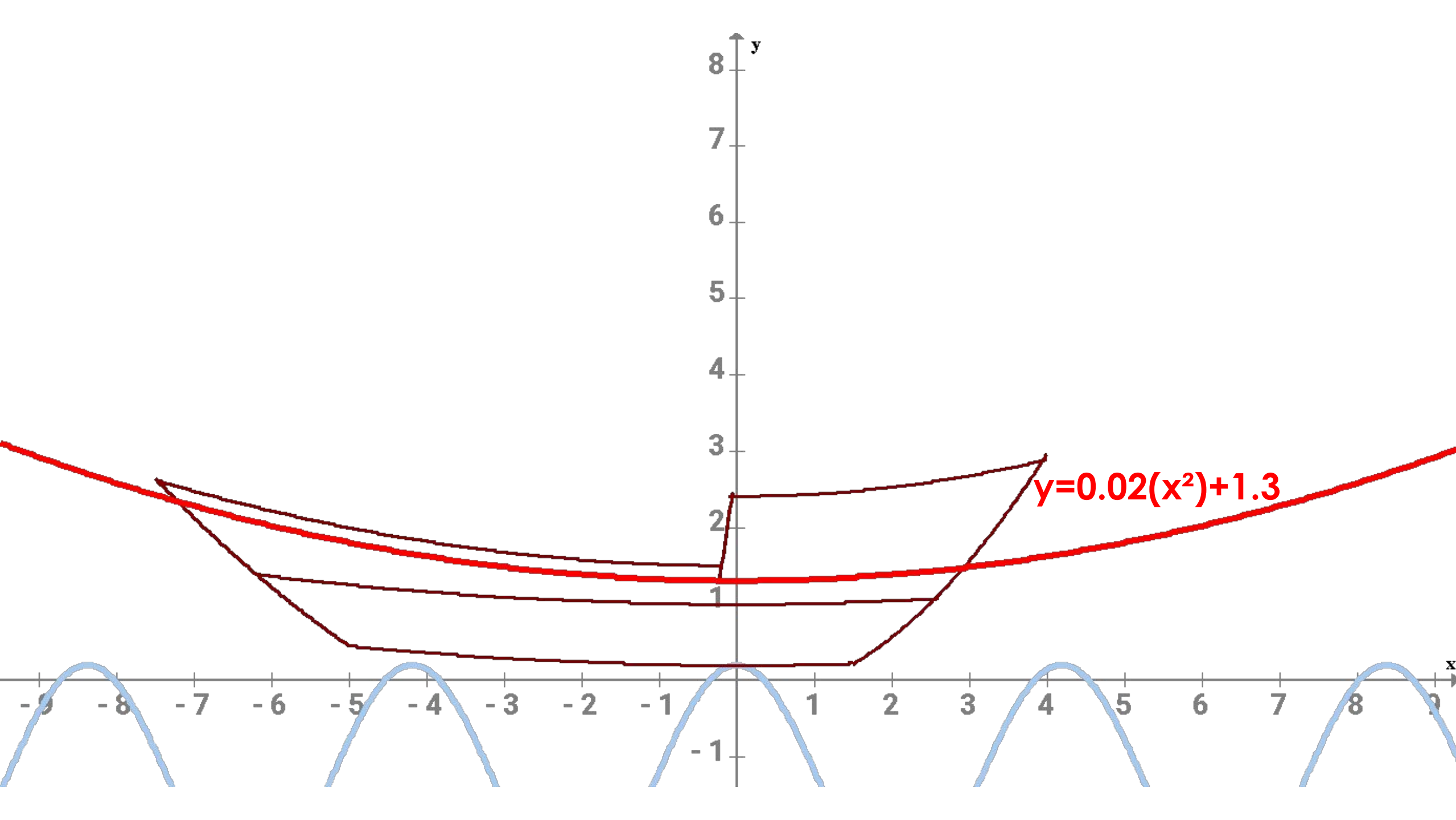


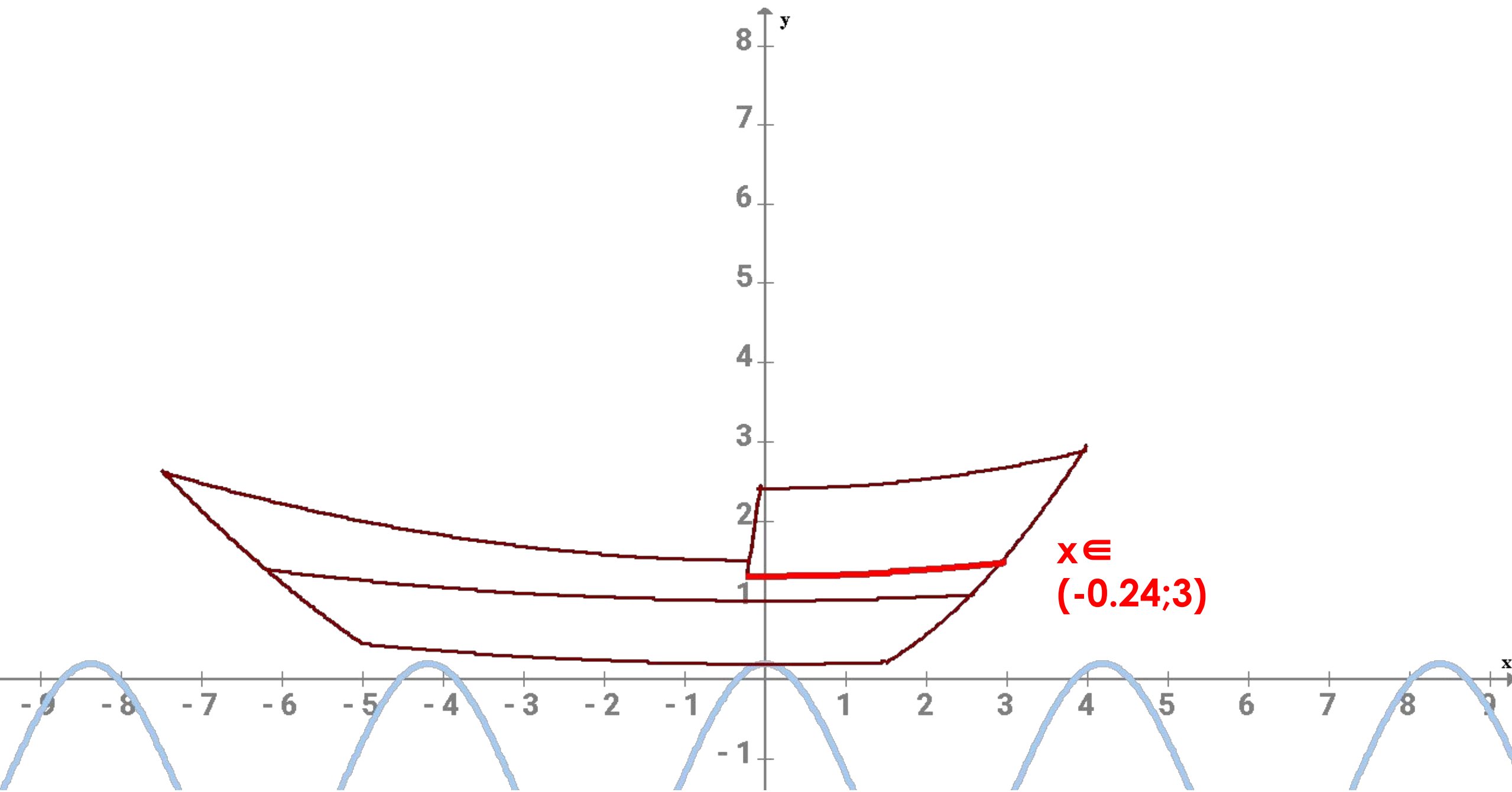


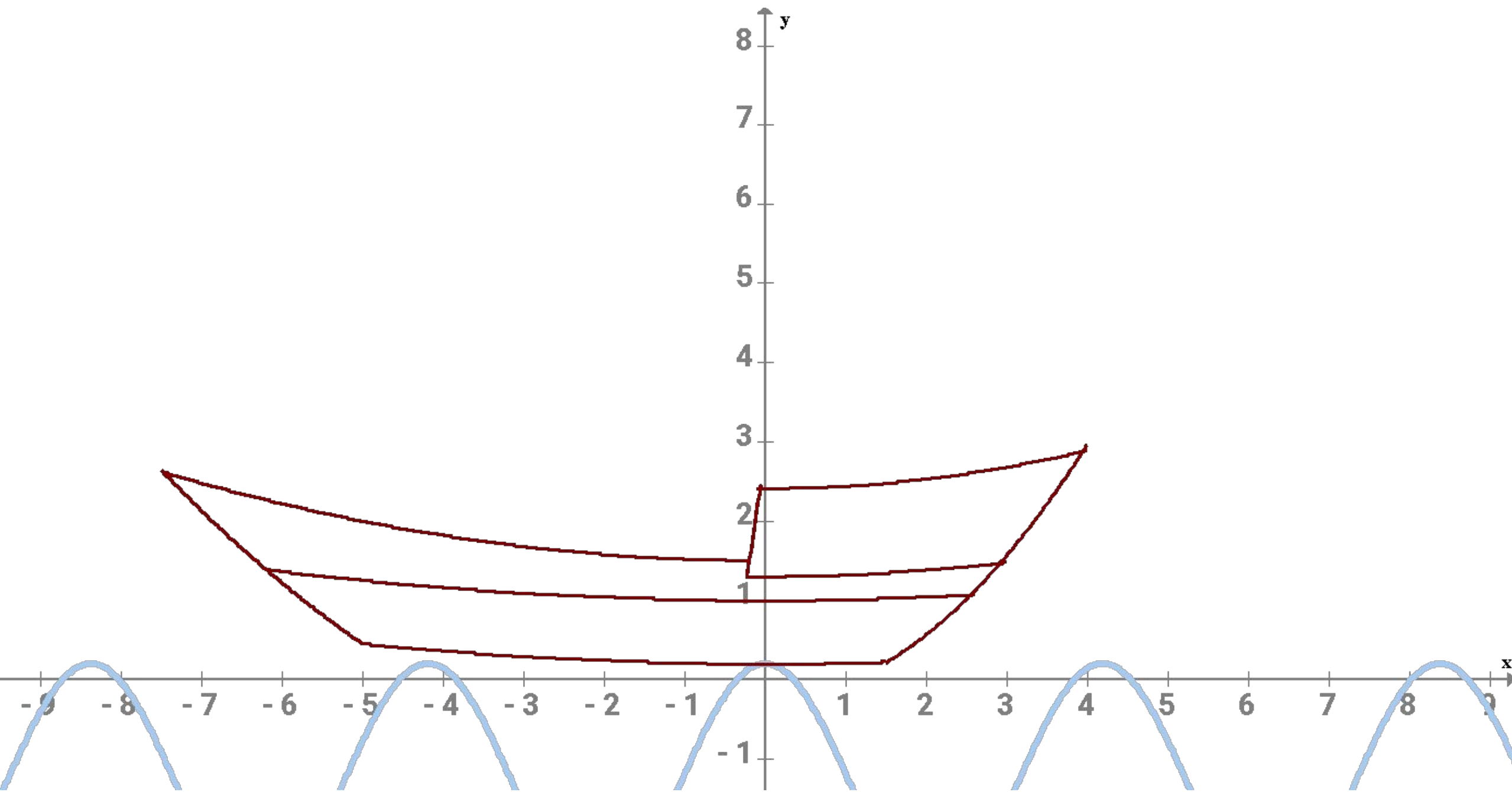






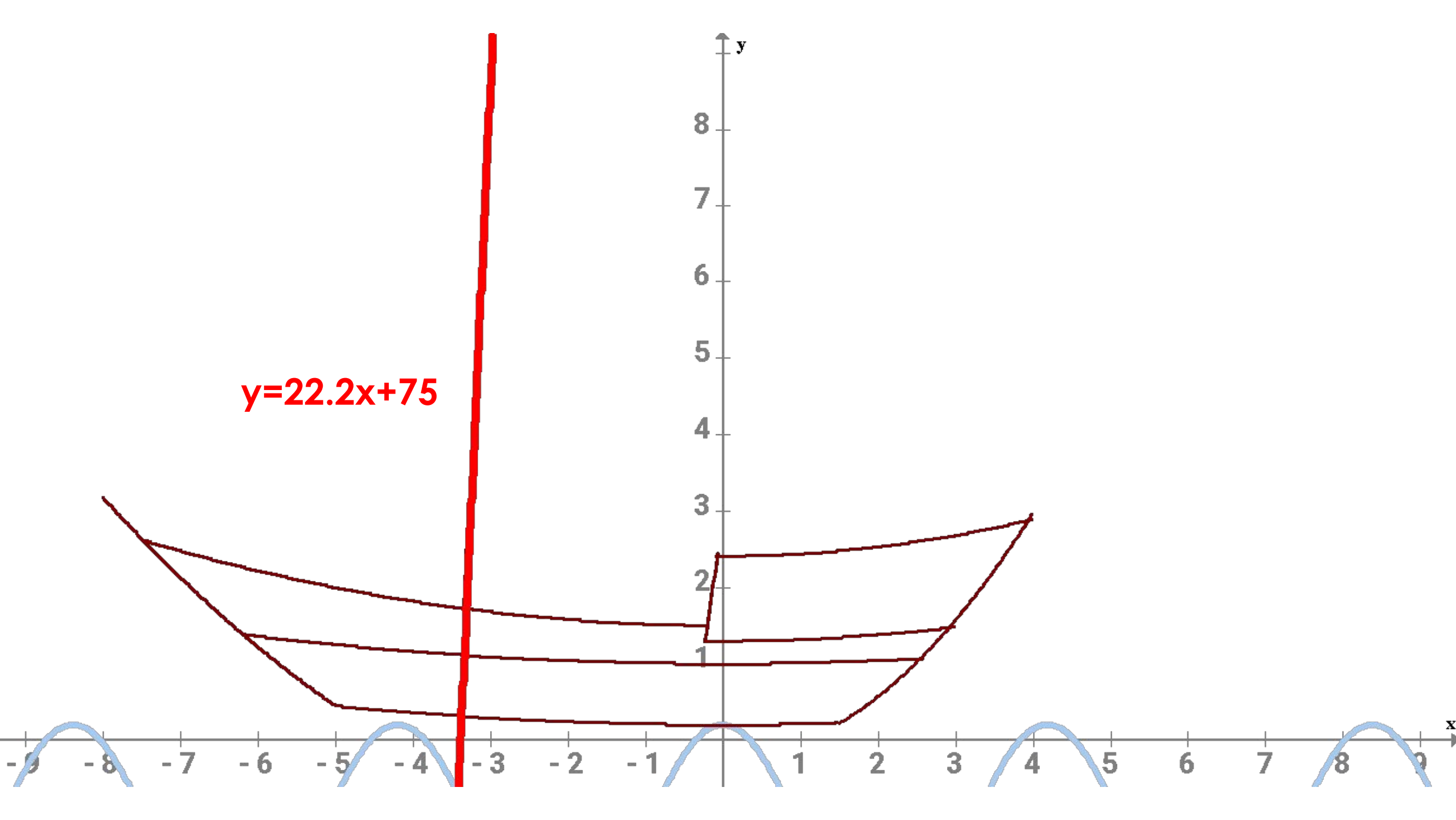


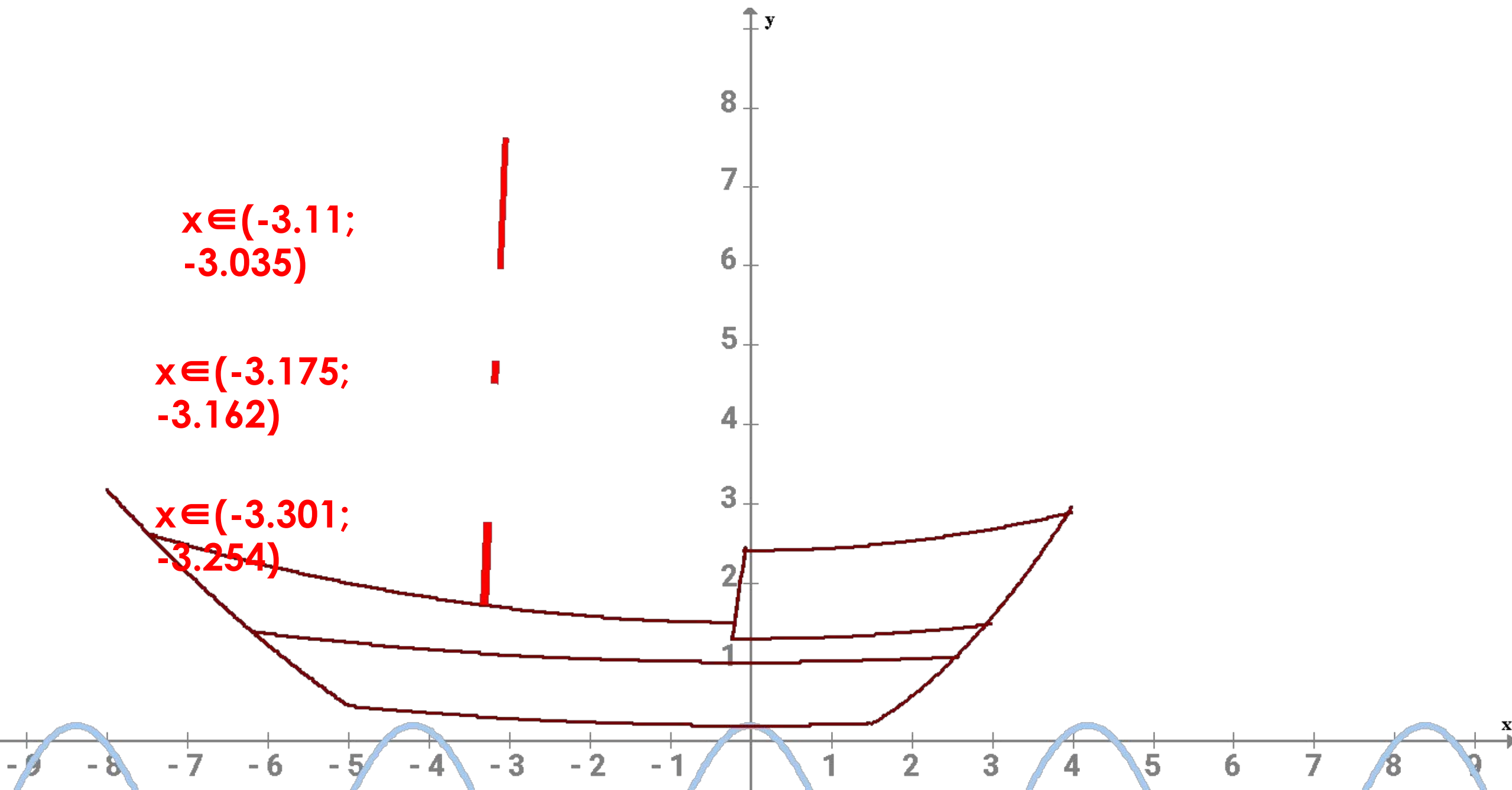


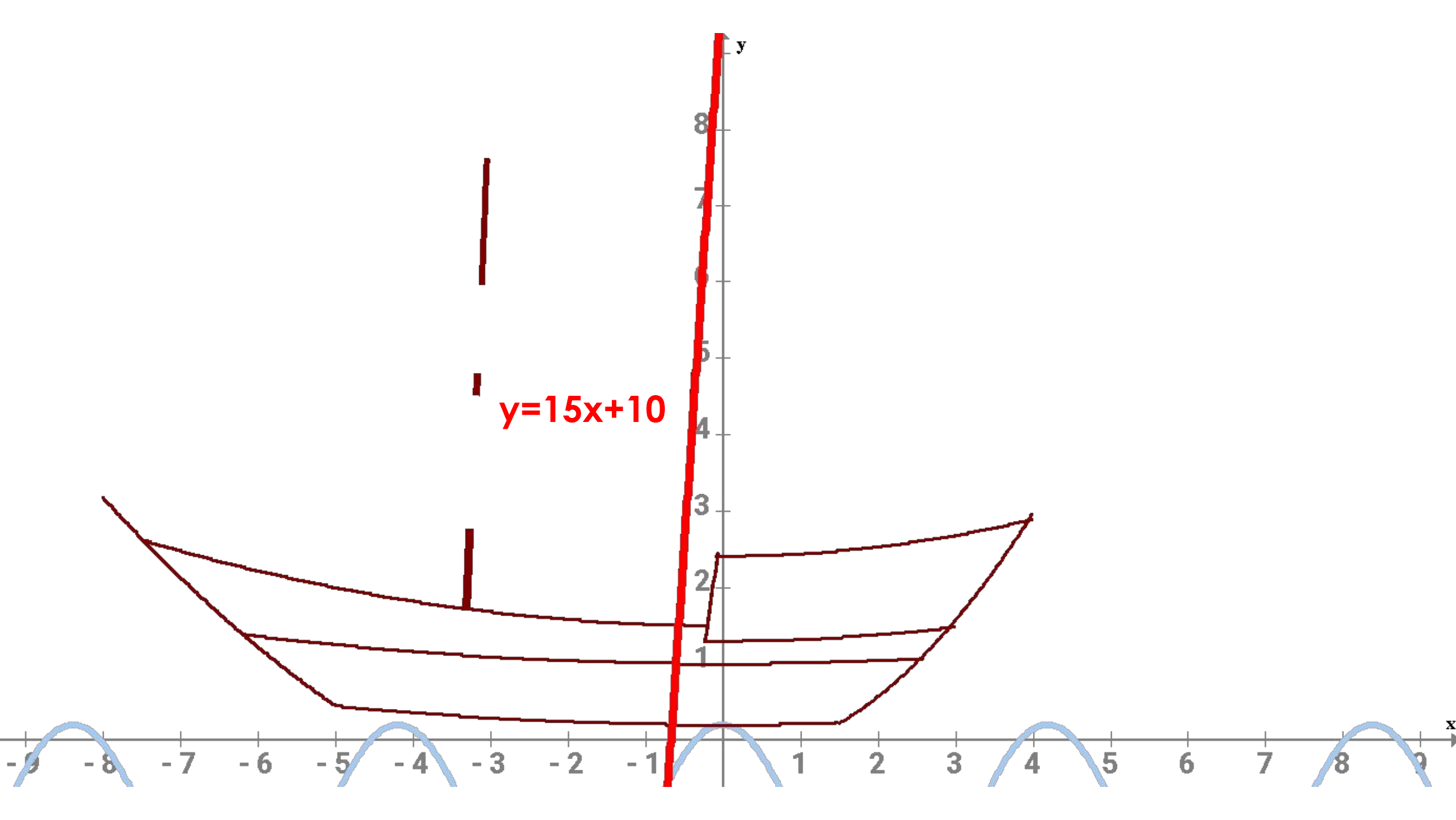


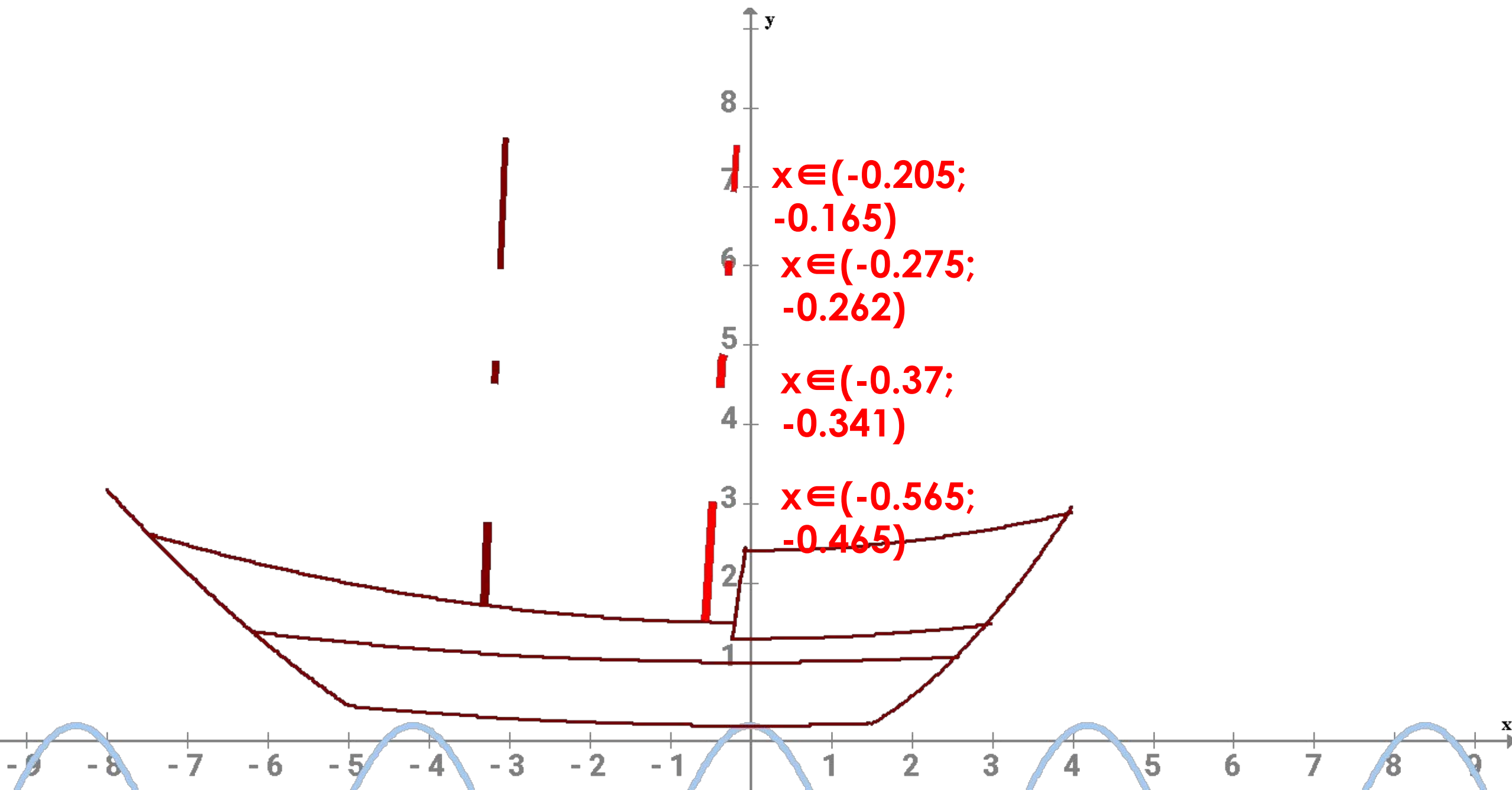
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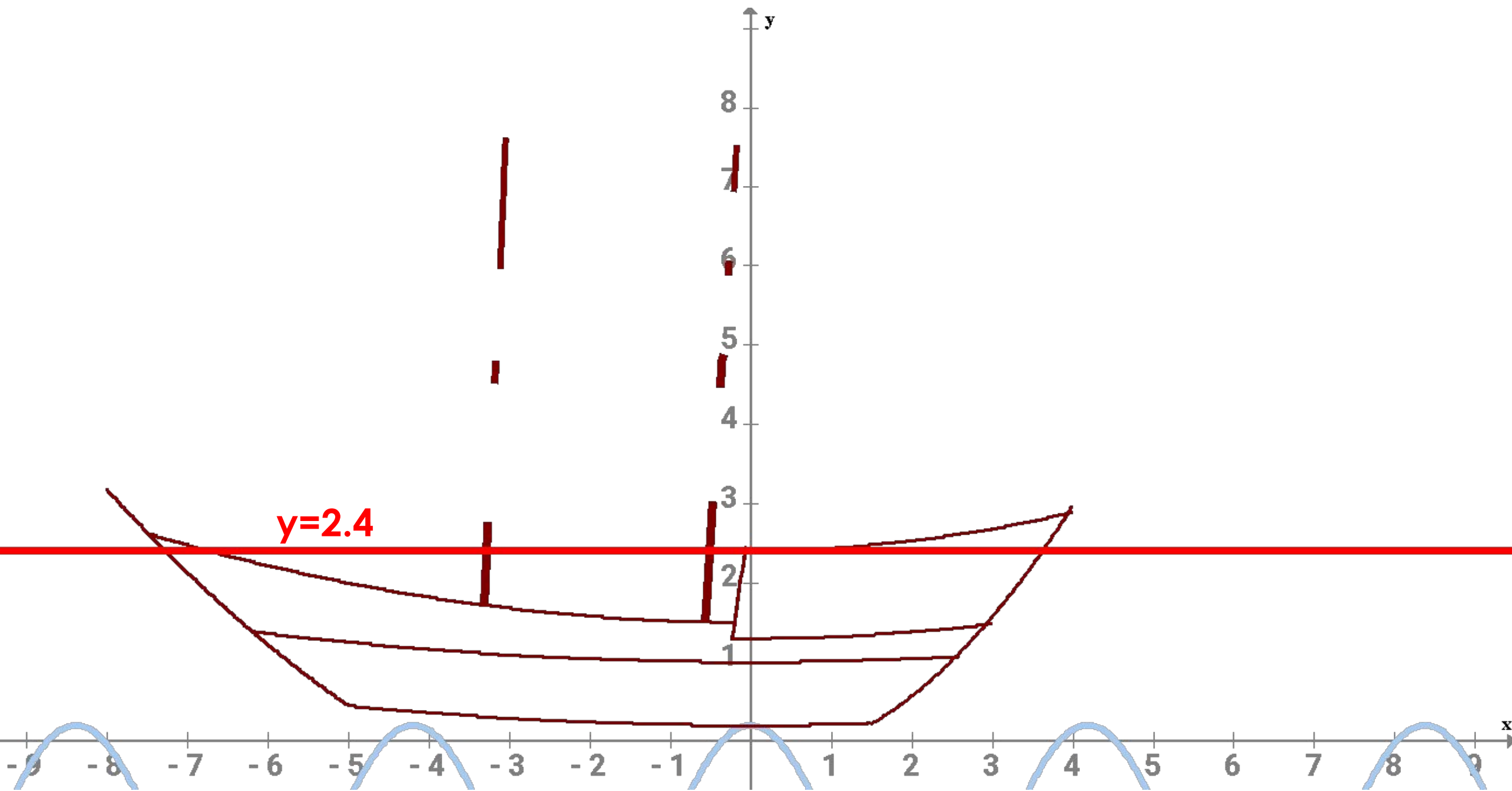
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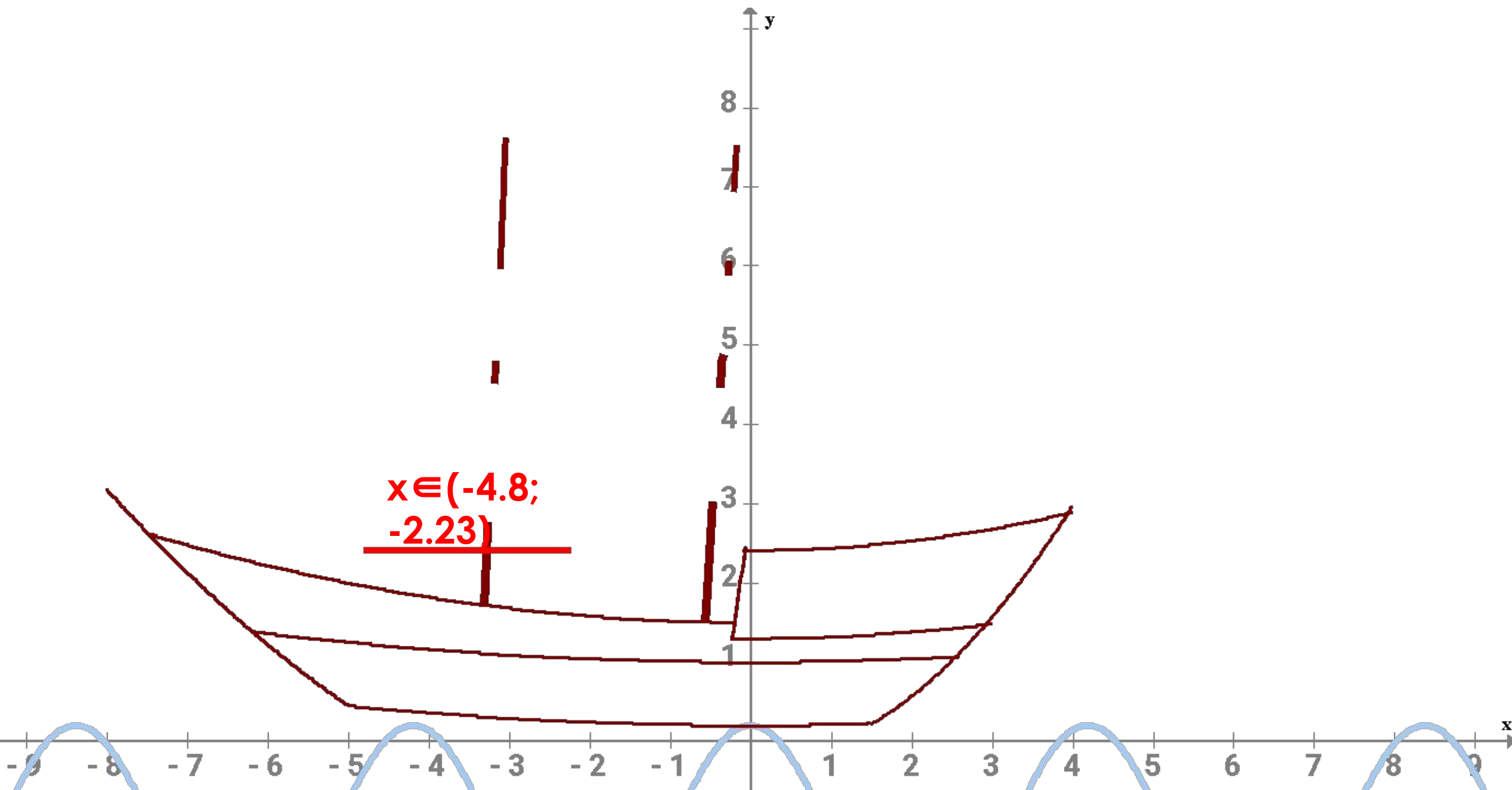


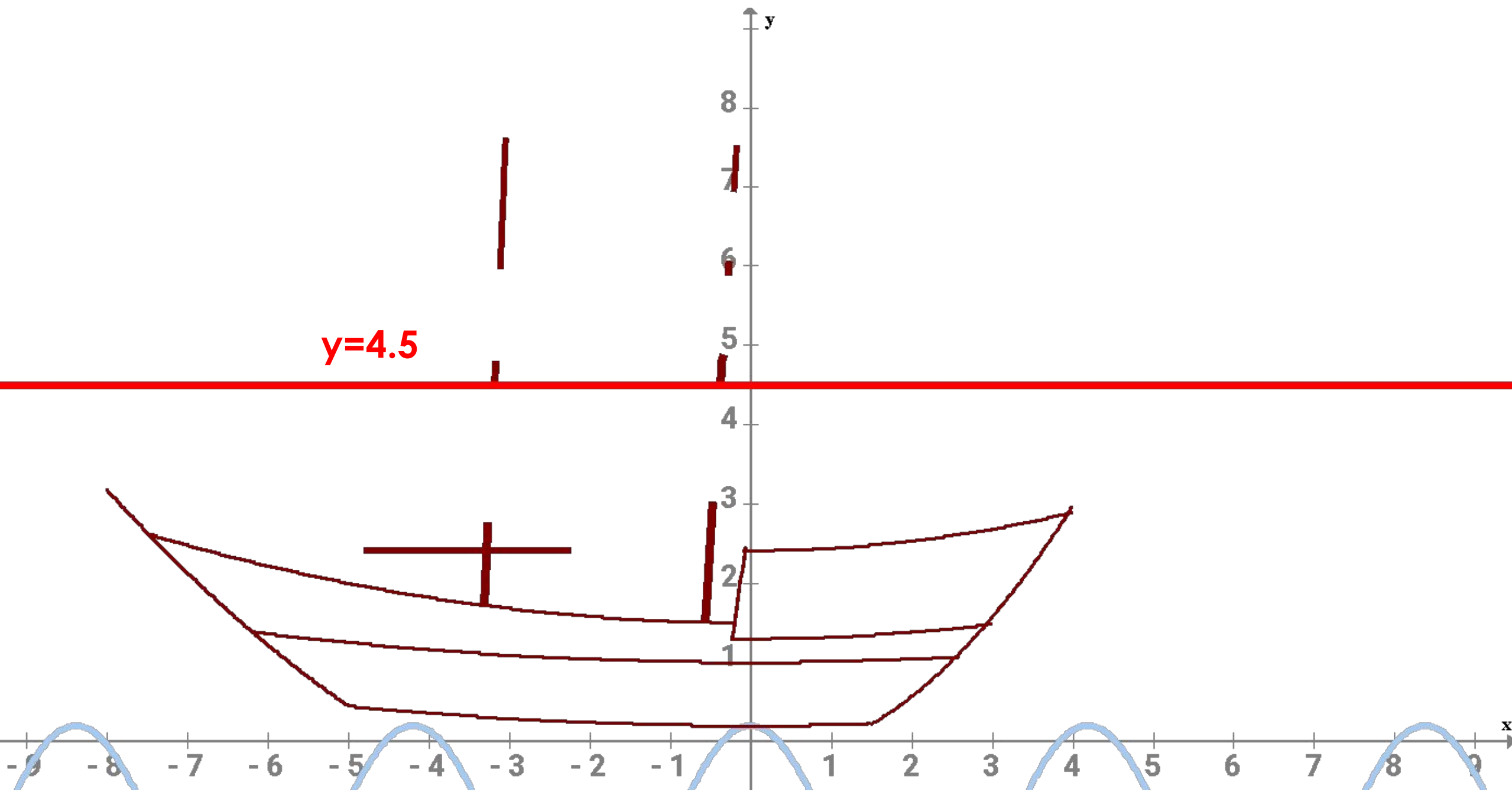


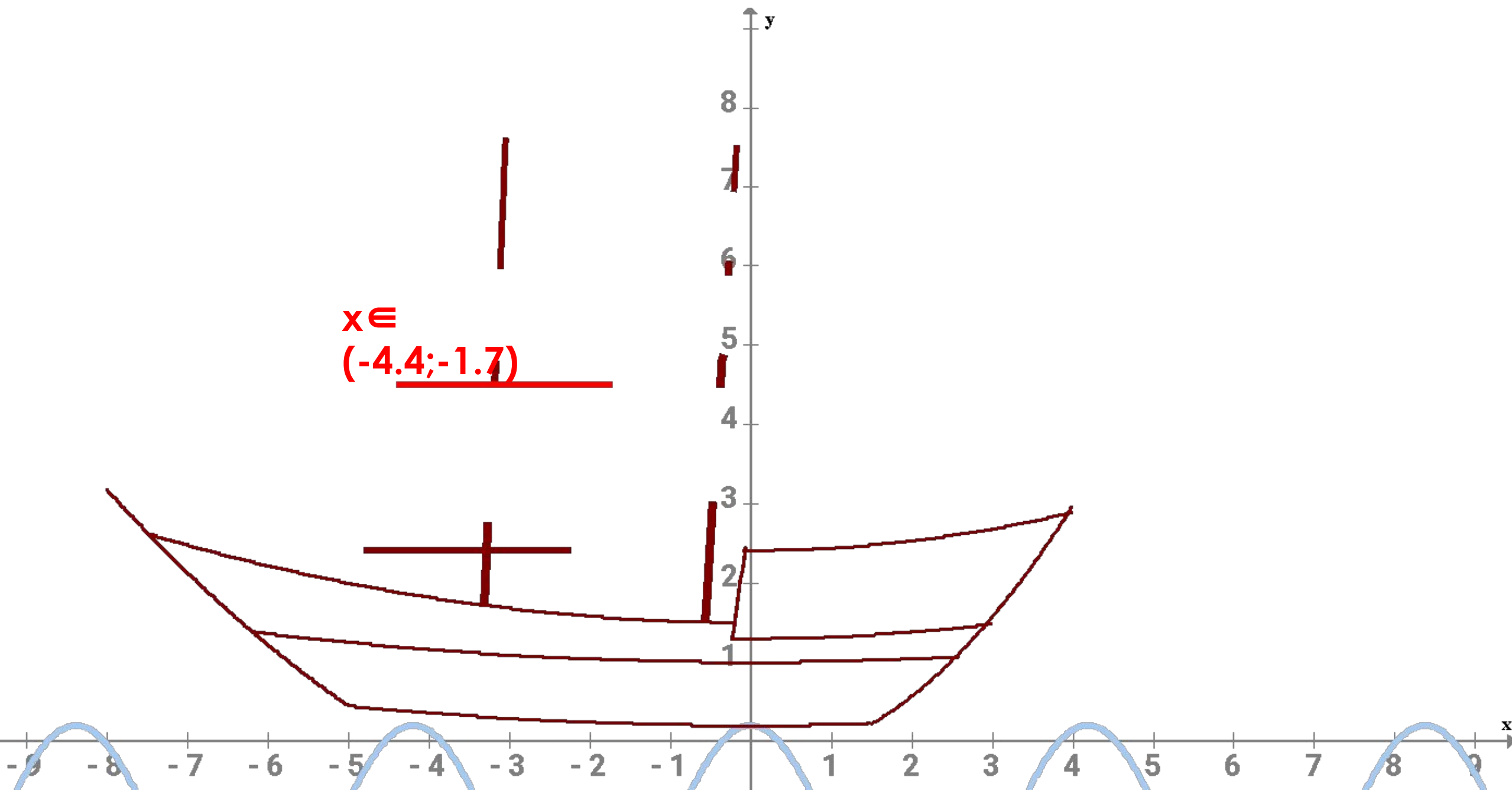


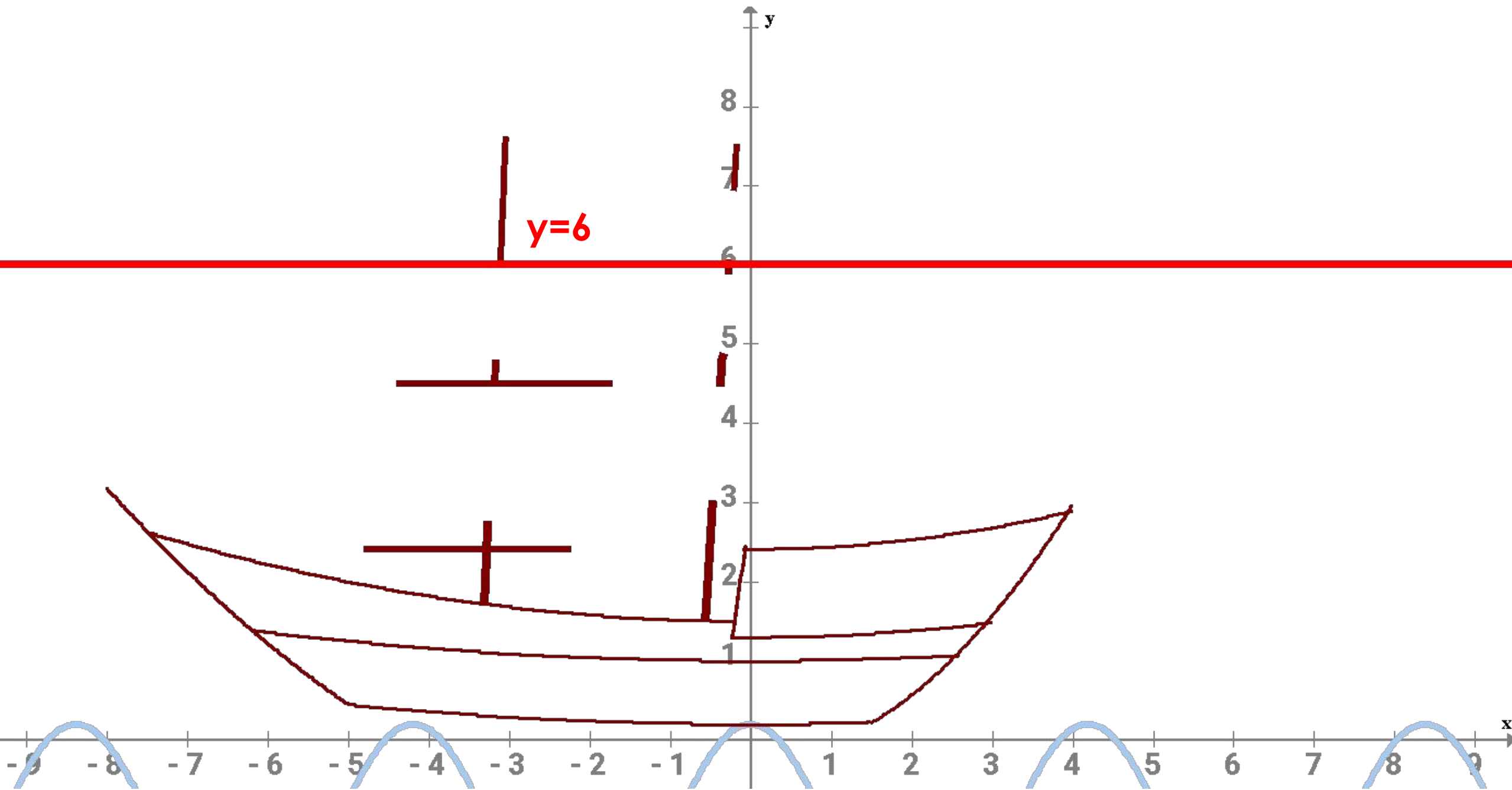


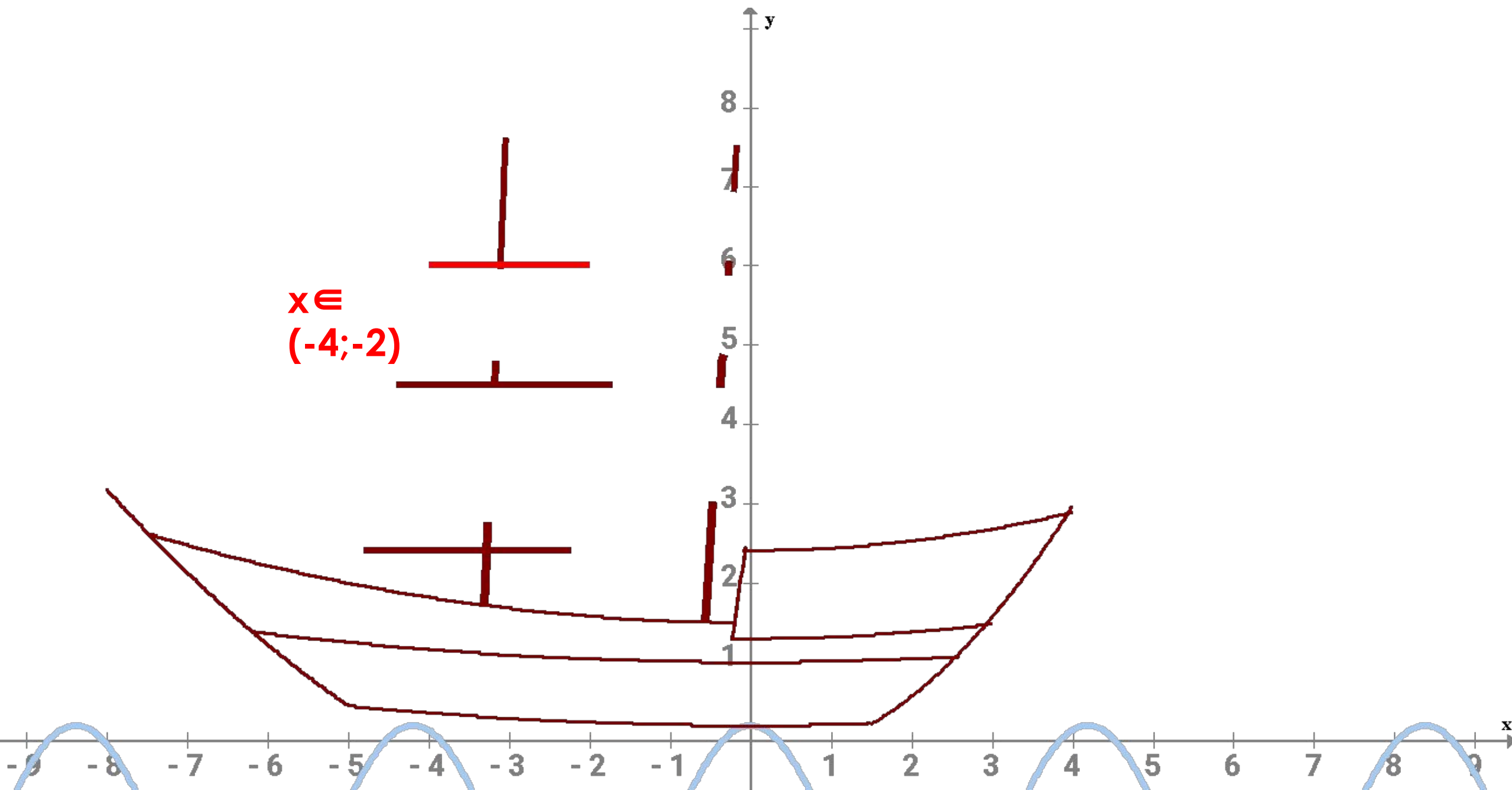


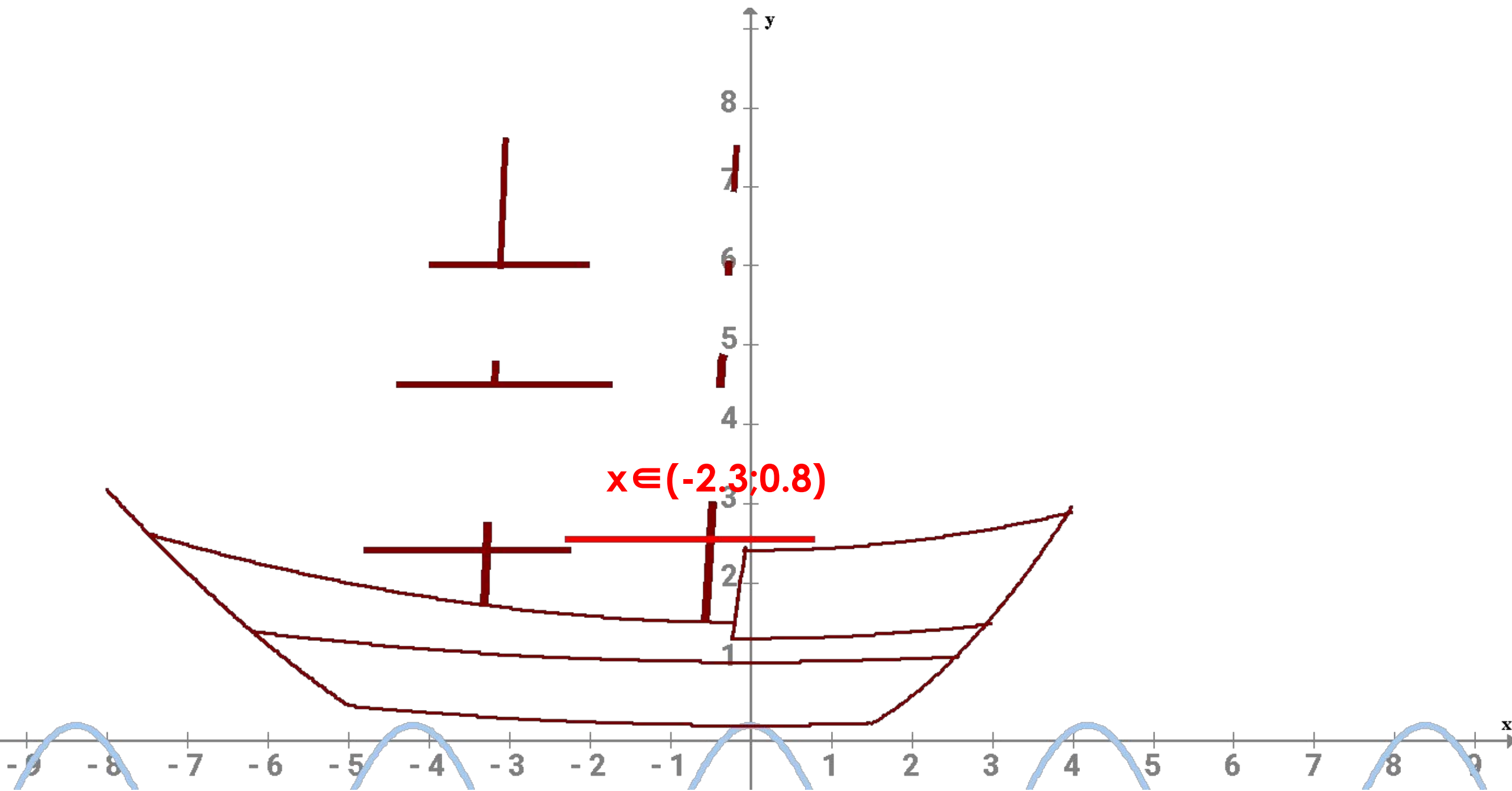


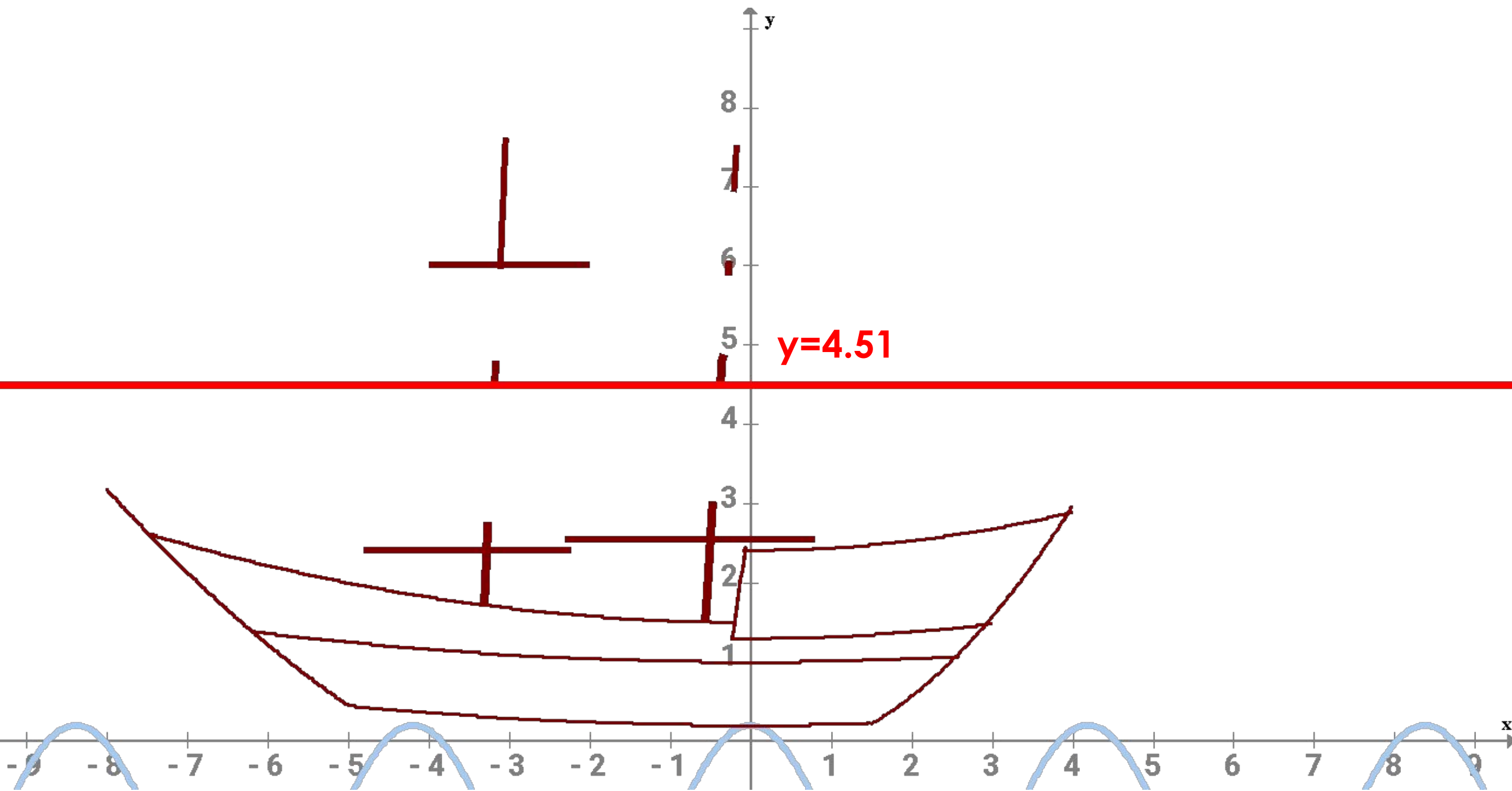


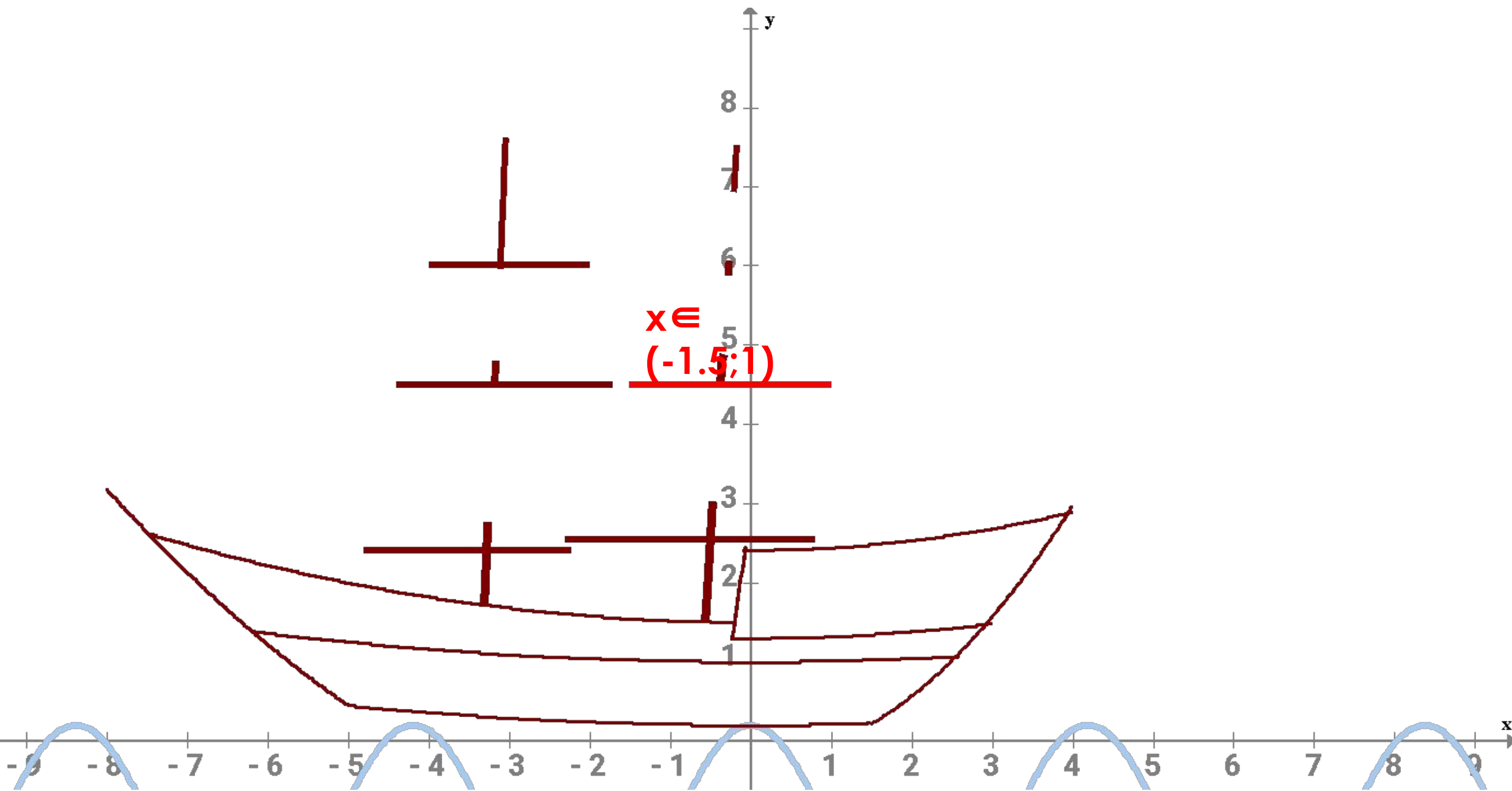


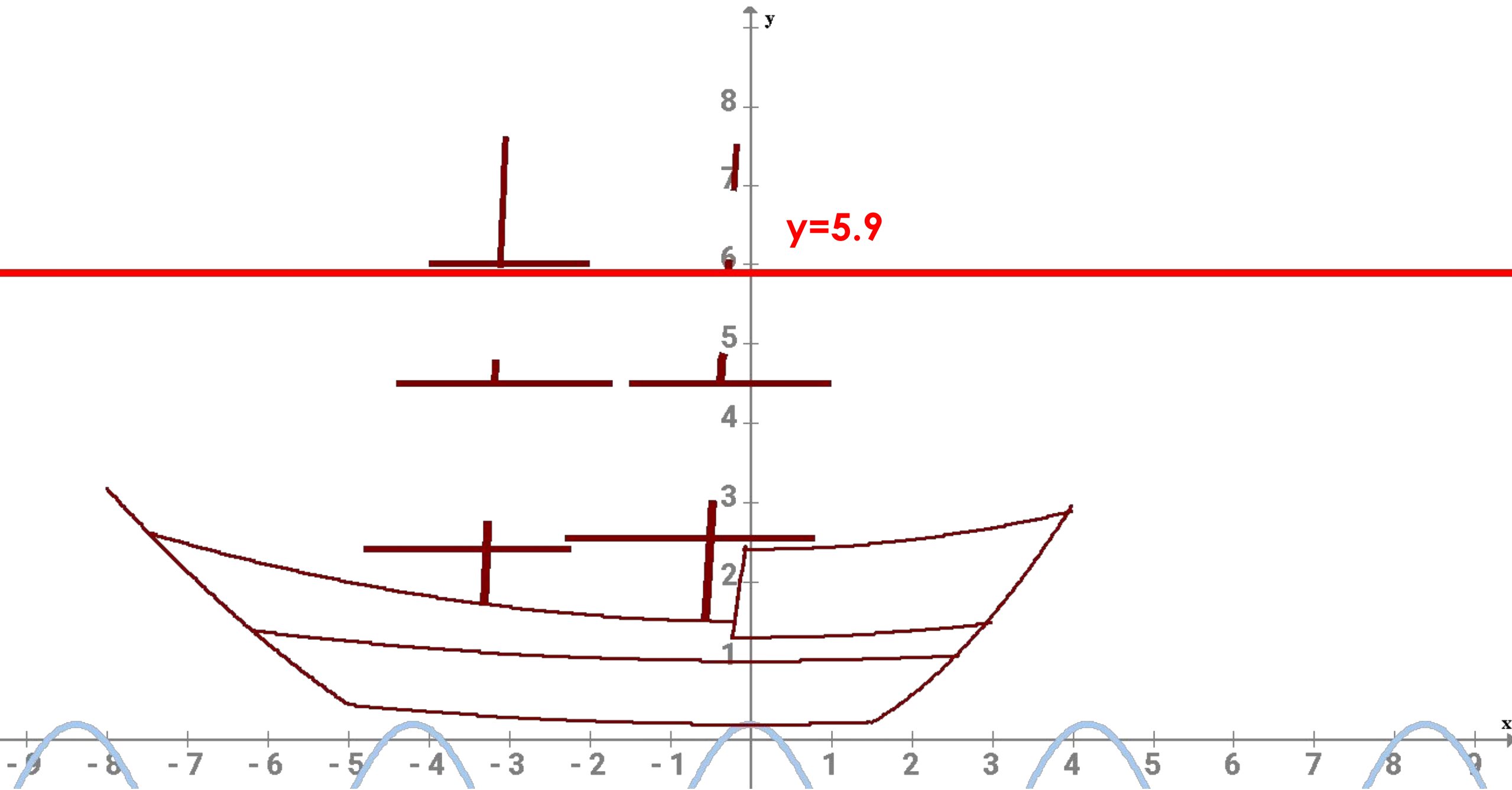


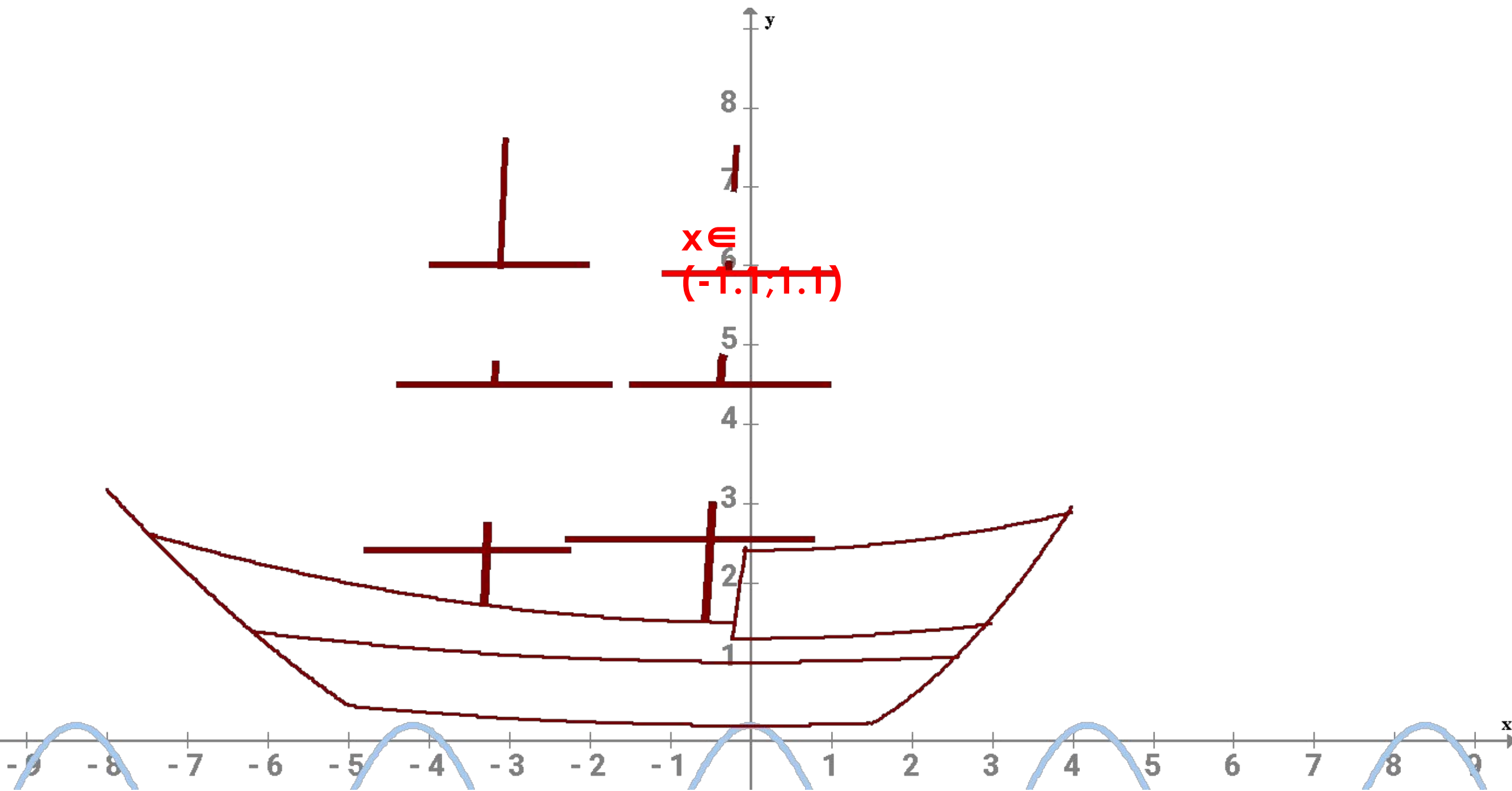


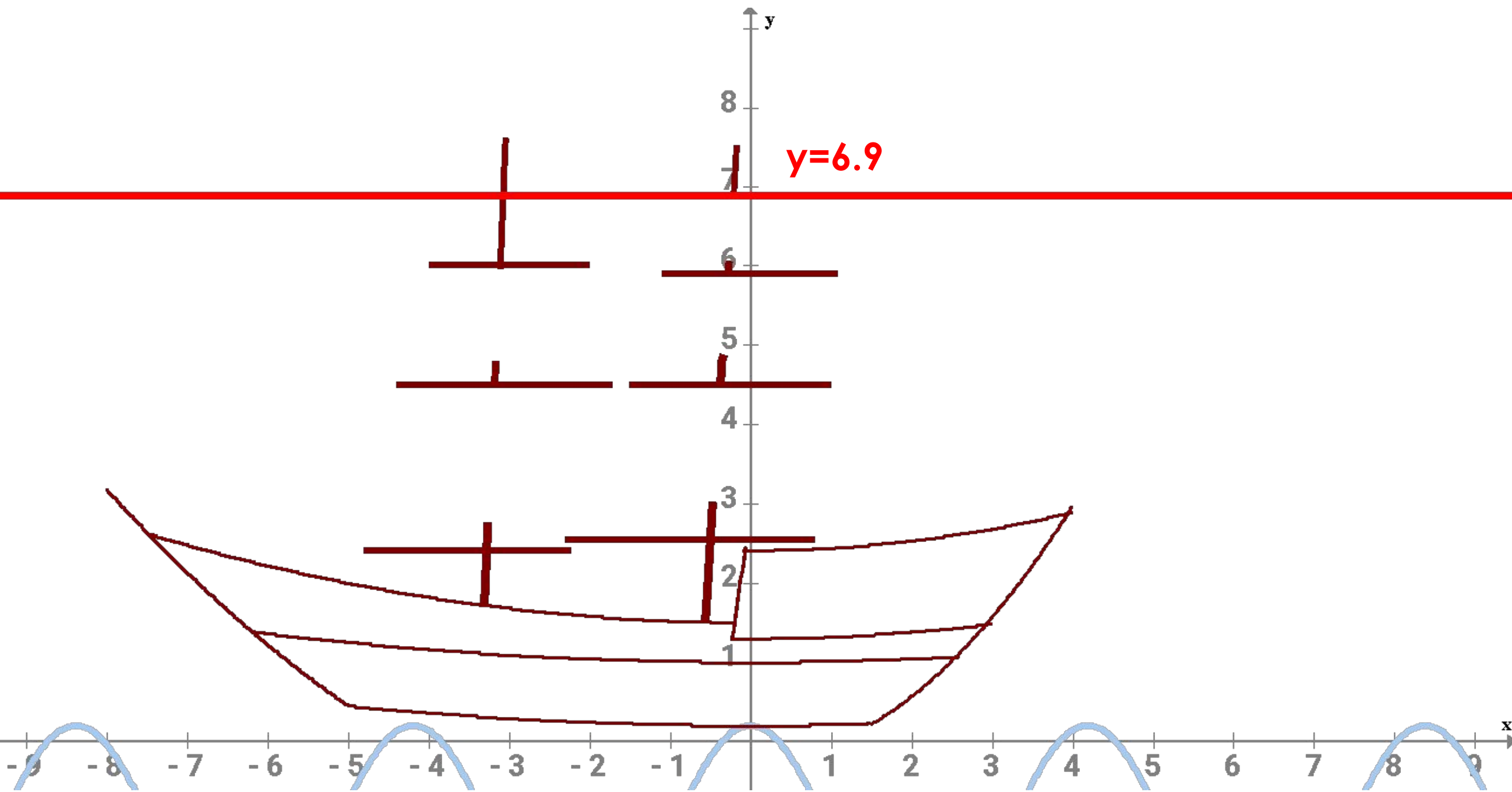


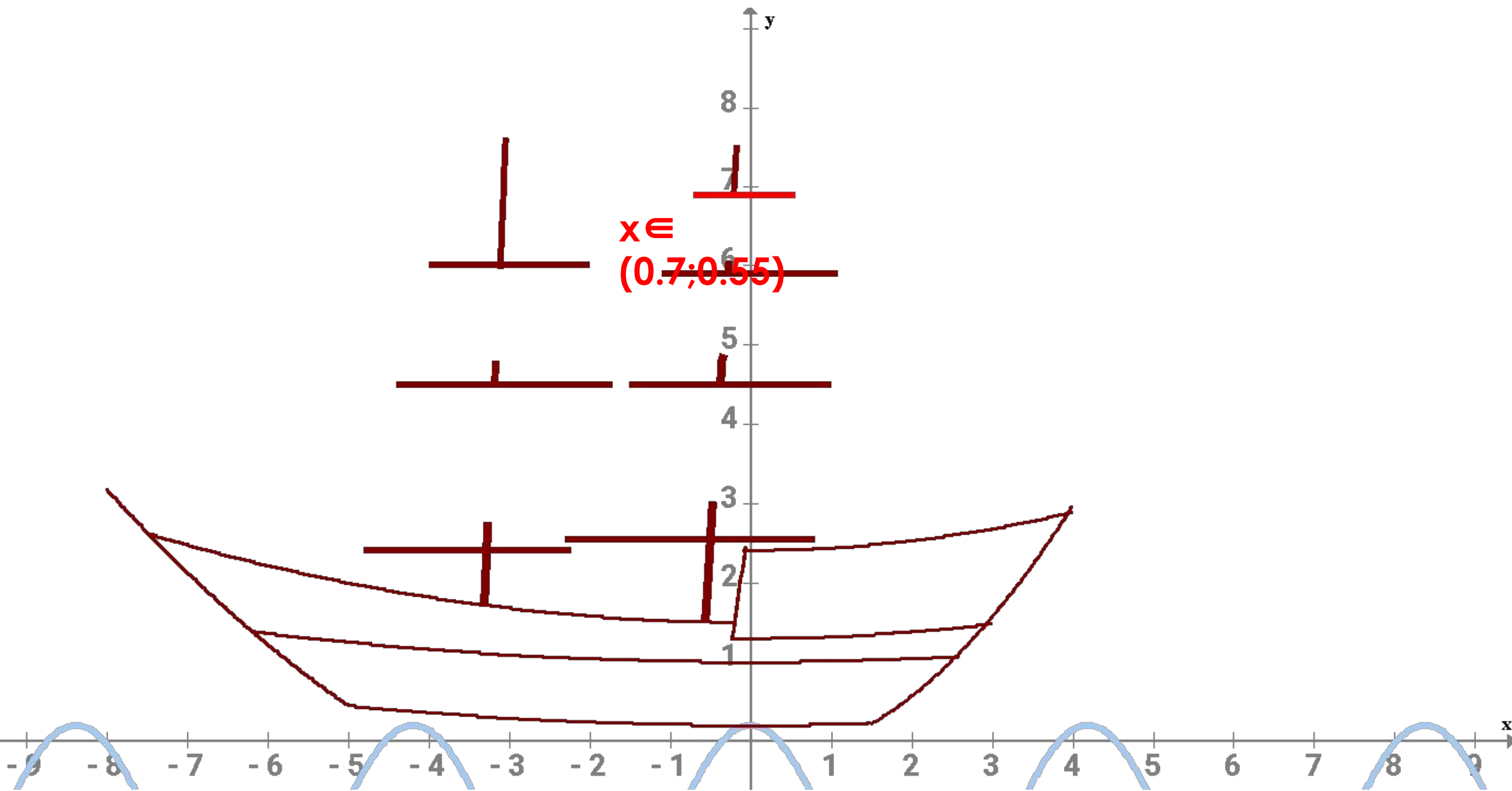


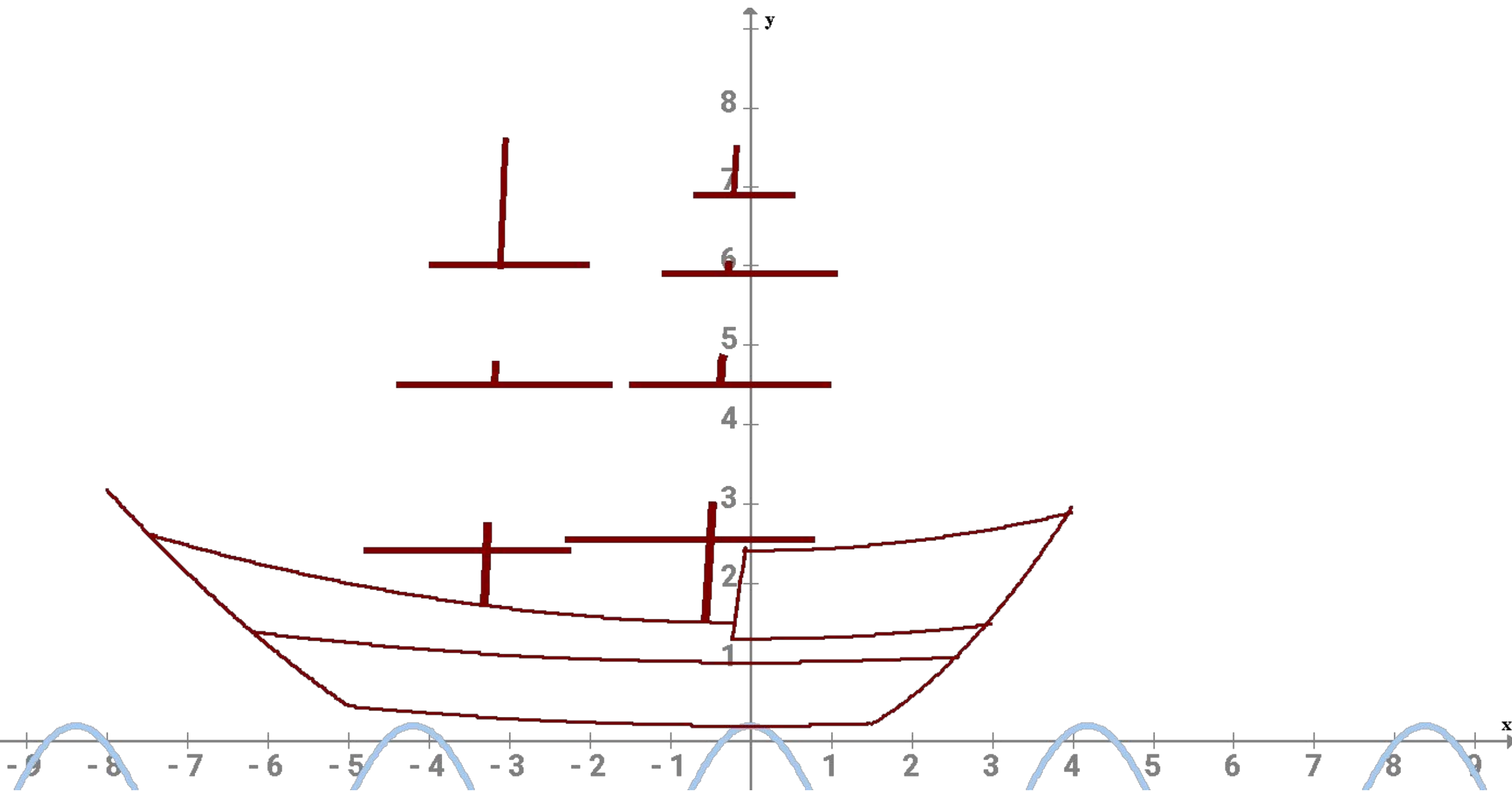






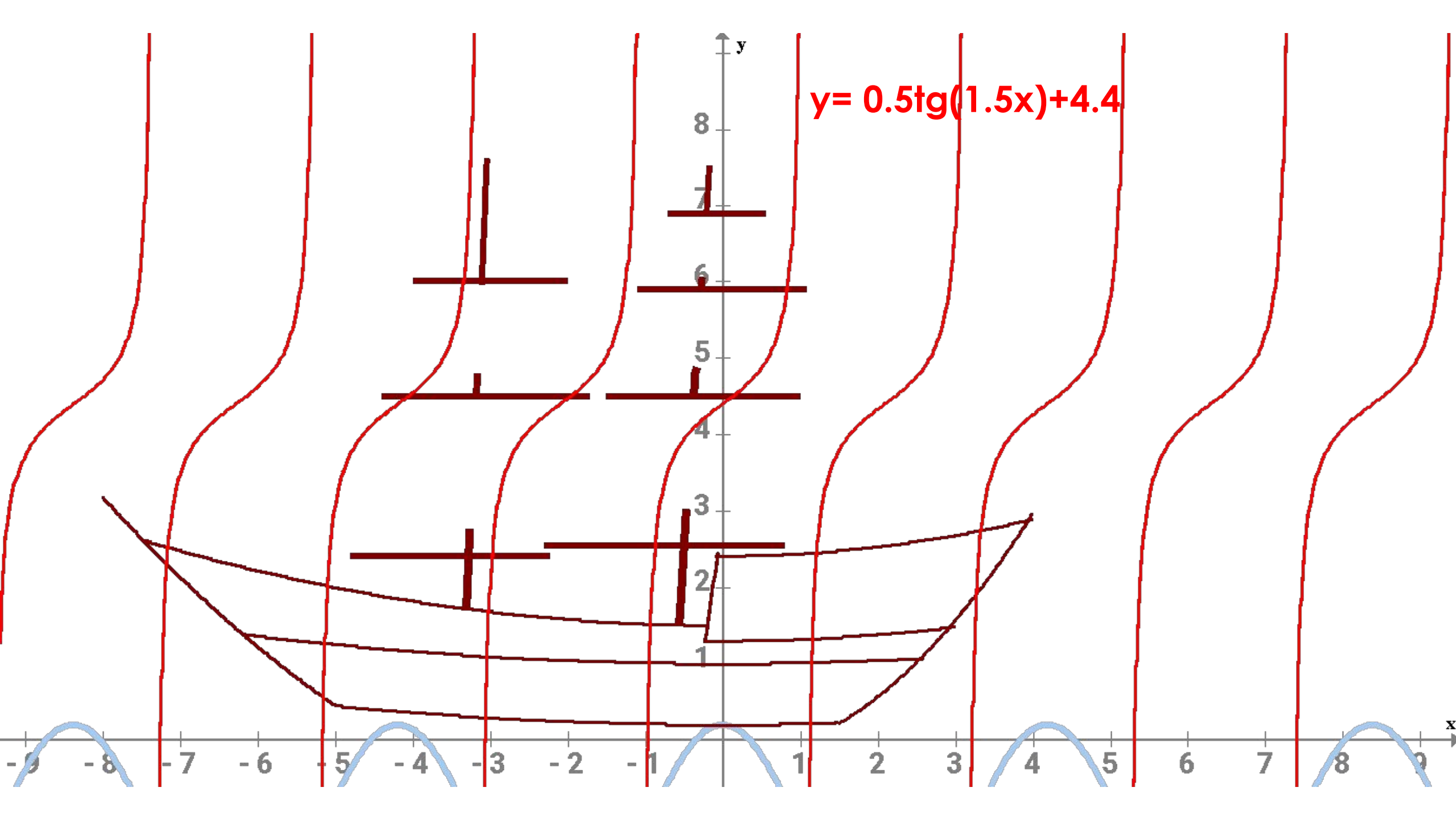


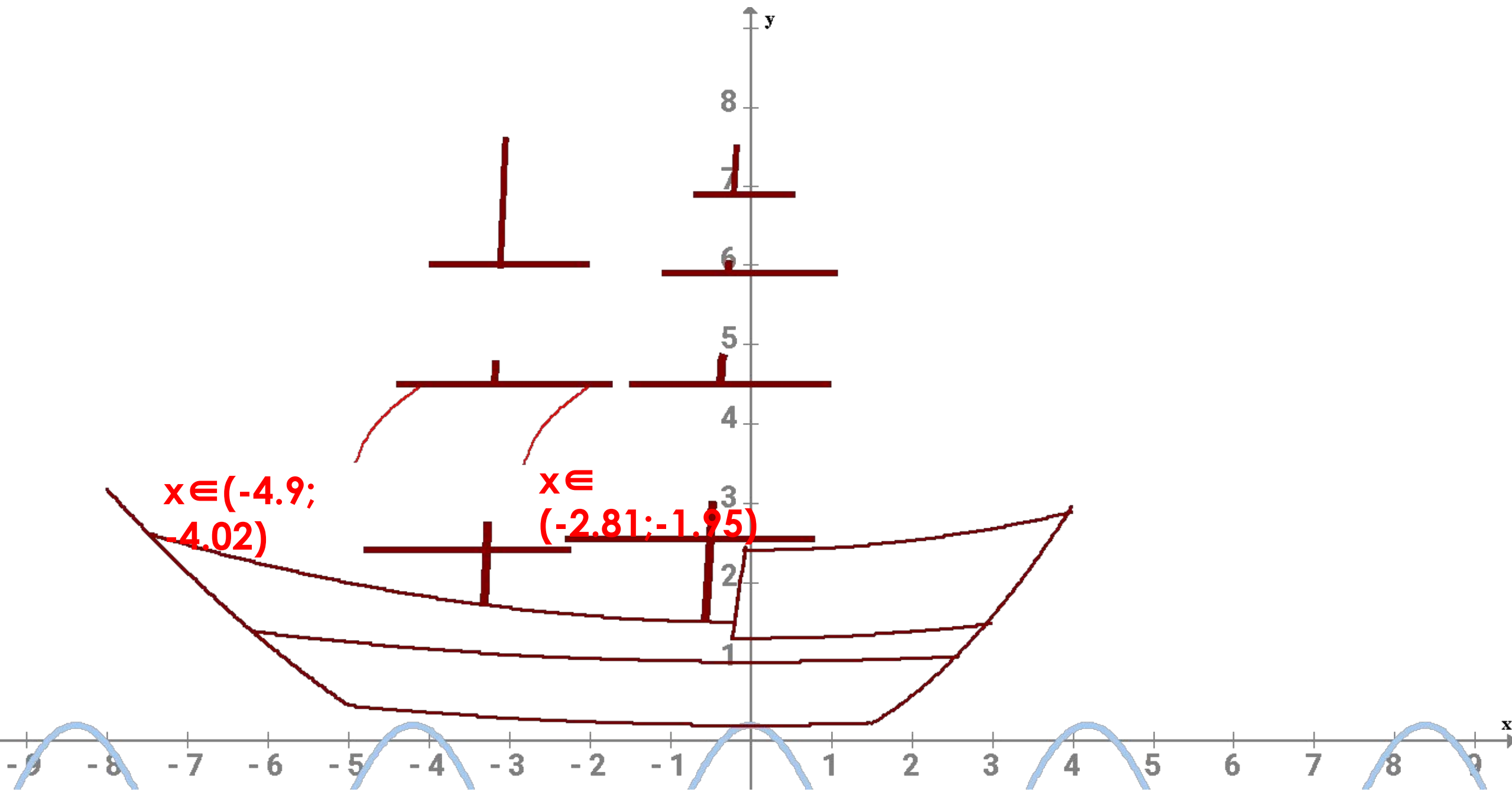


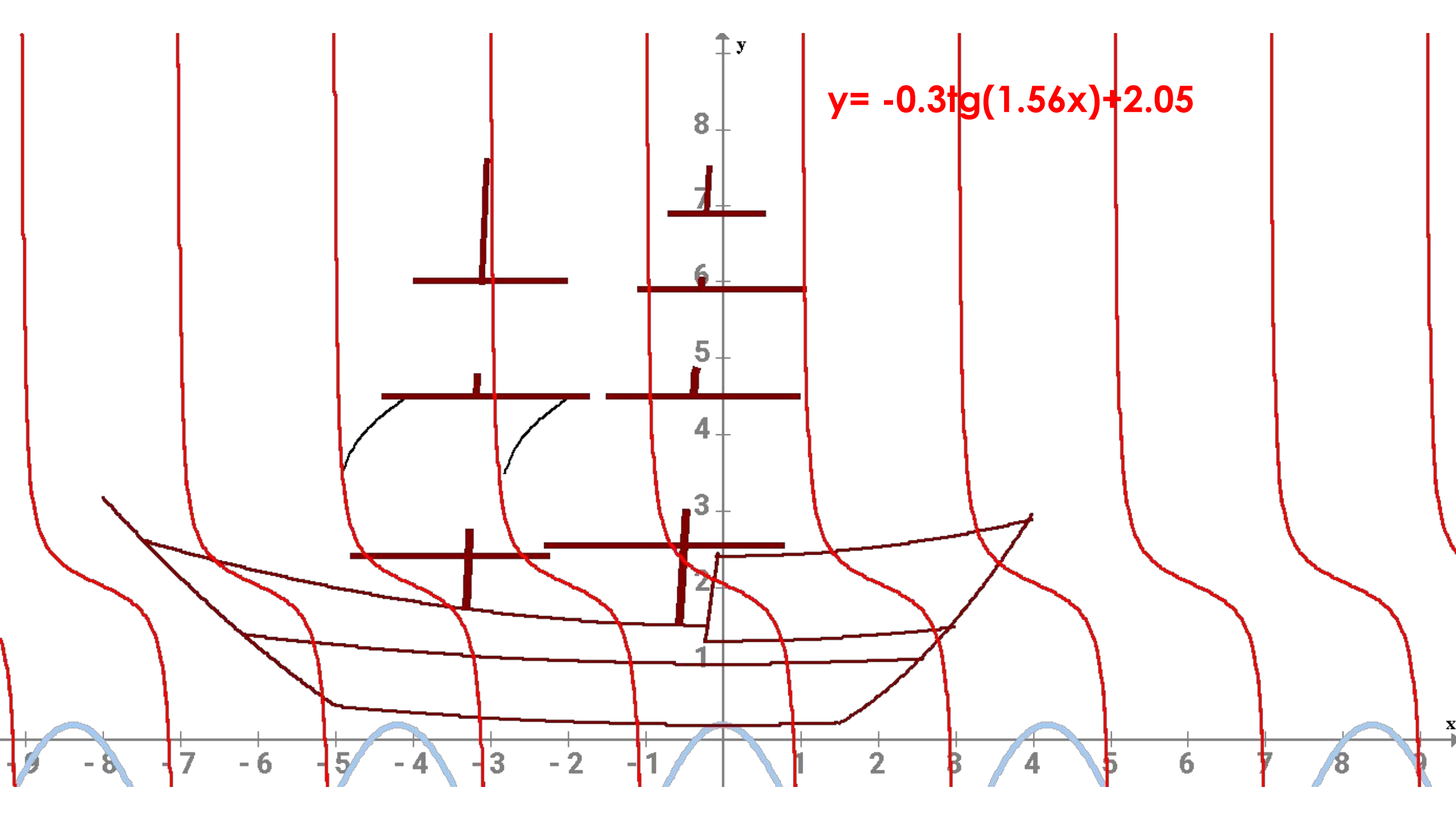


IV этап

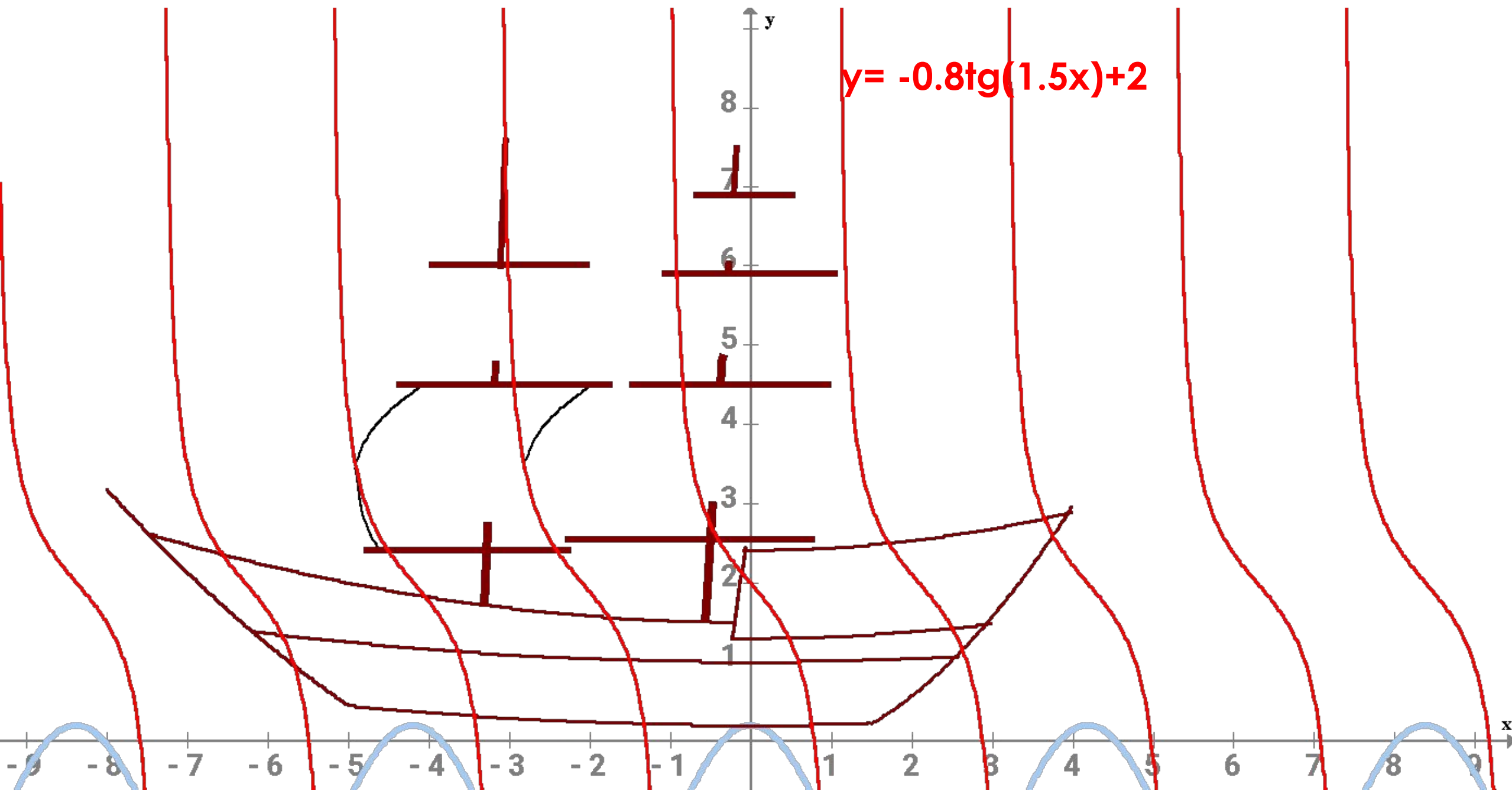
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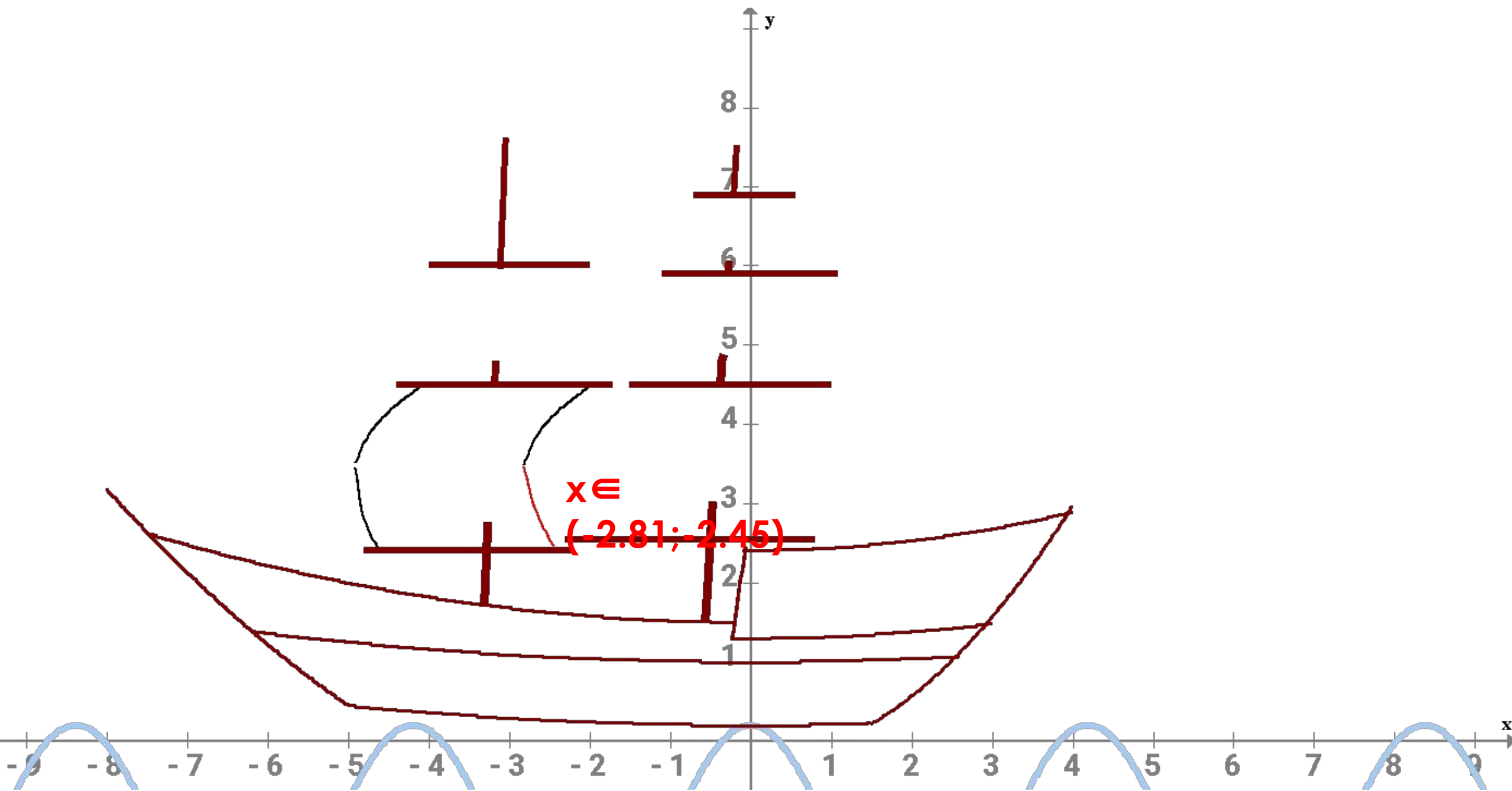


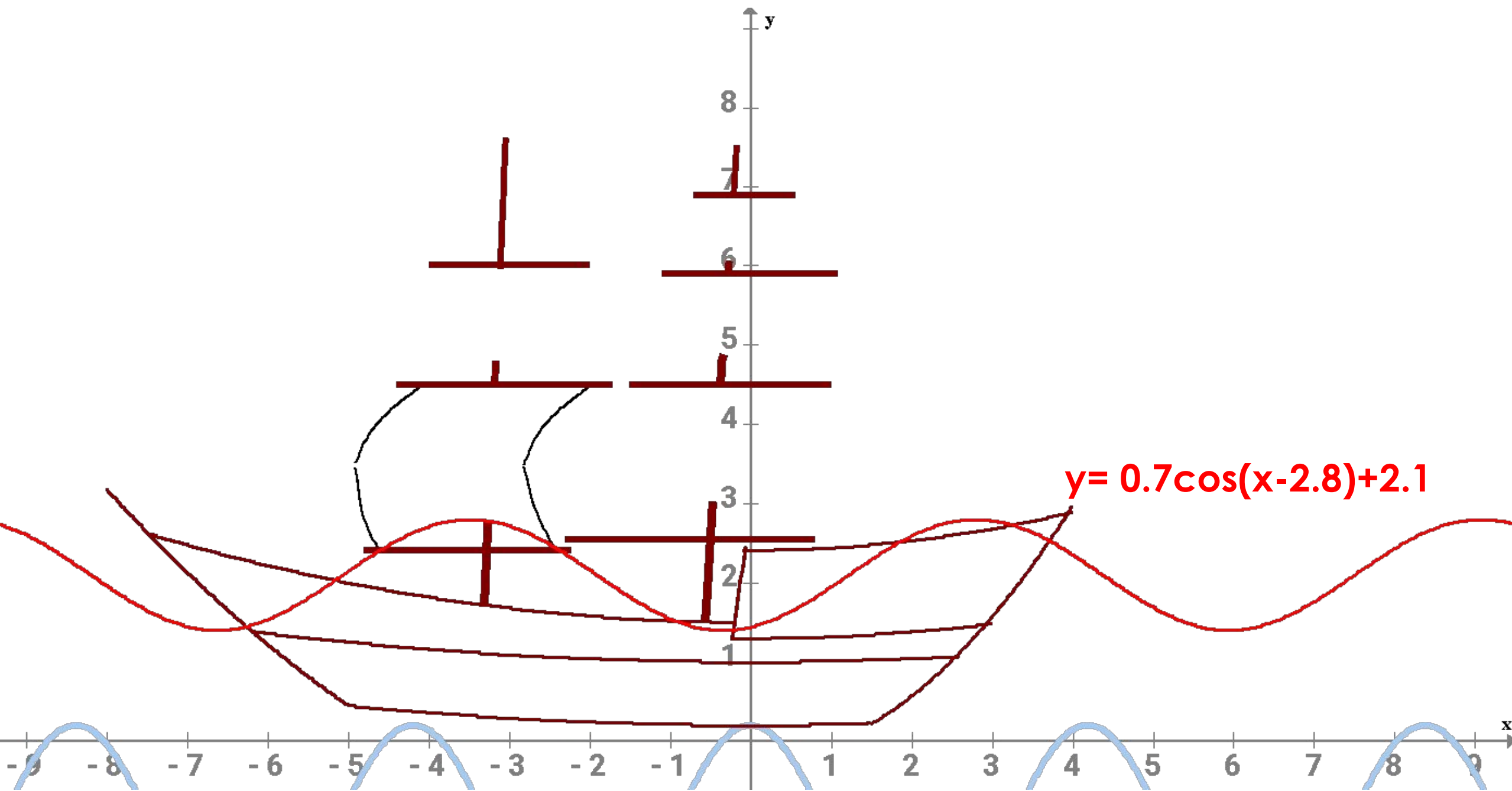


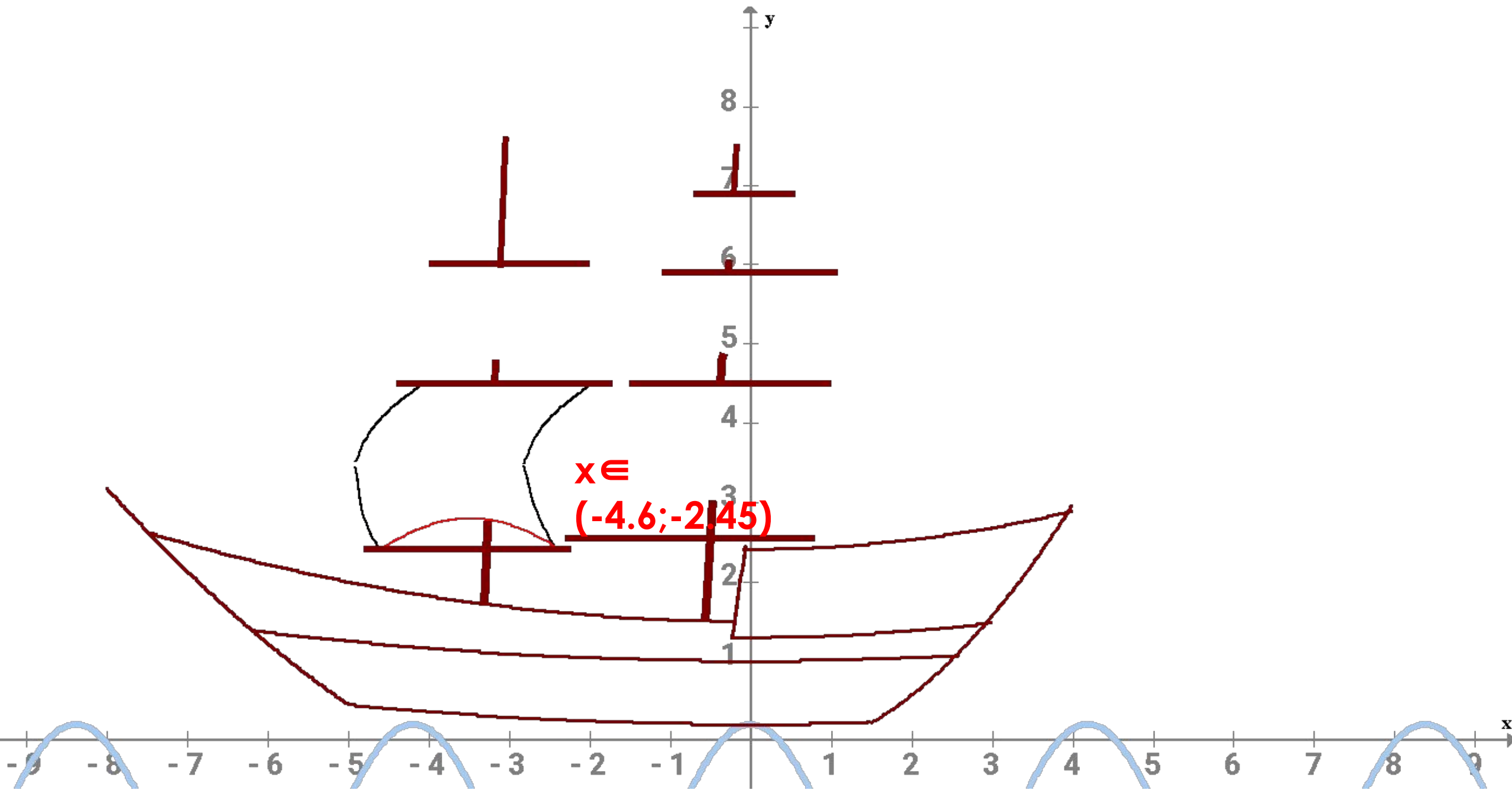


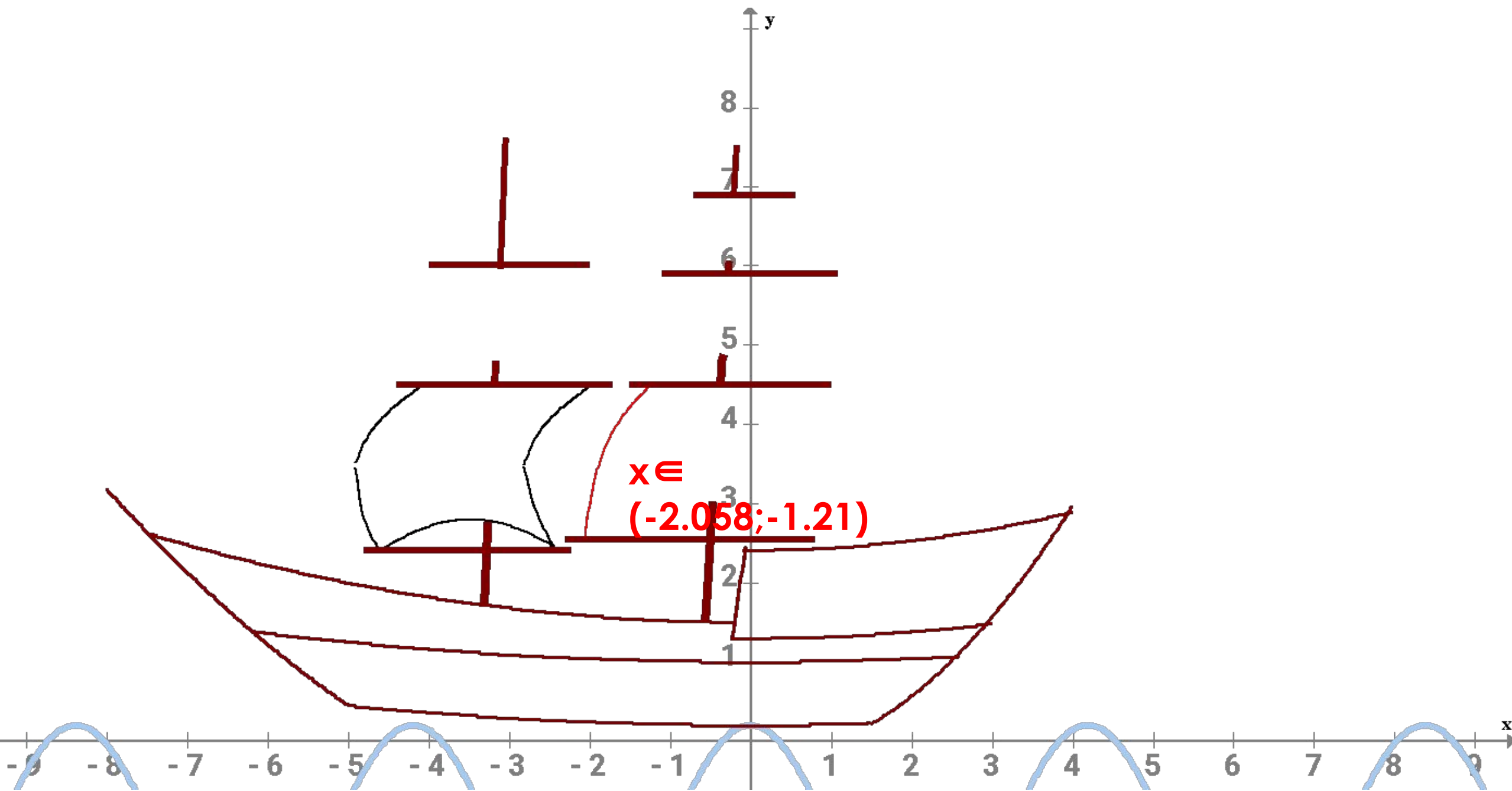


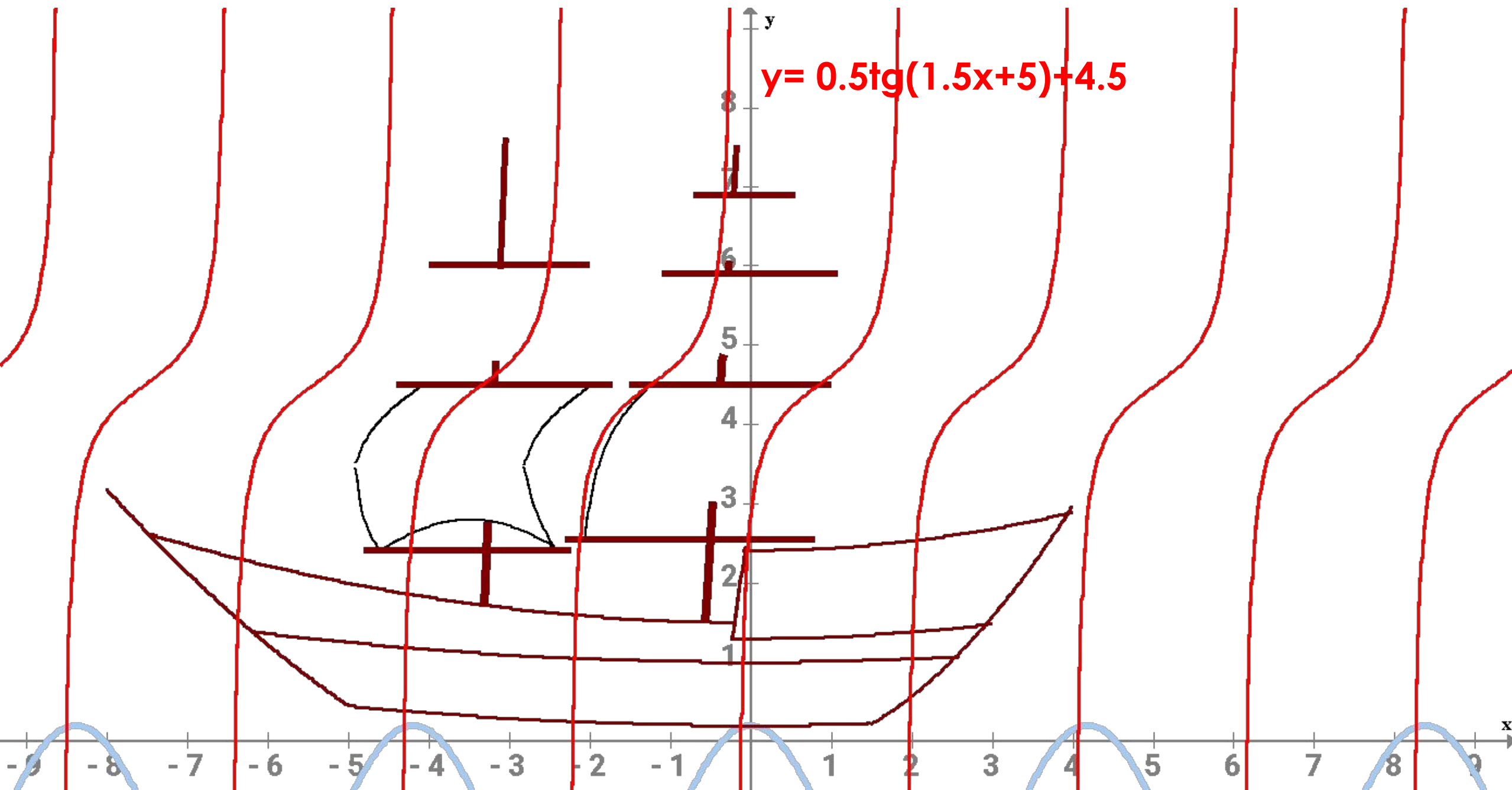


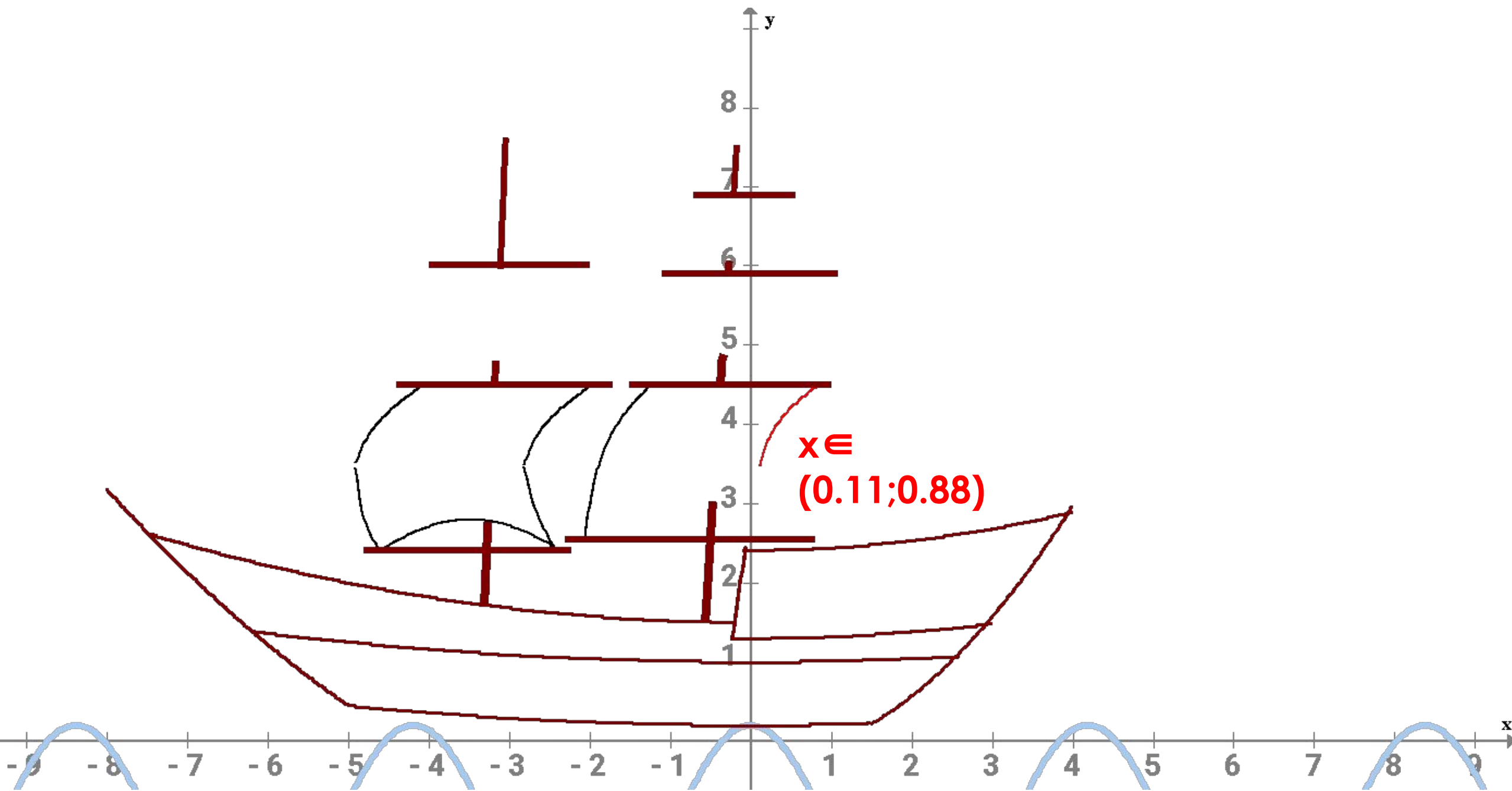




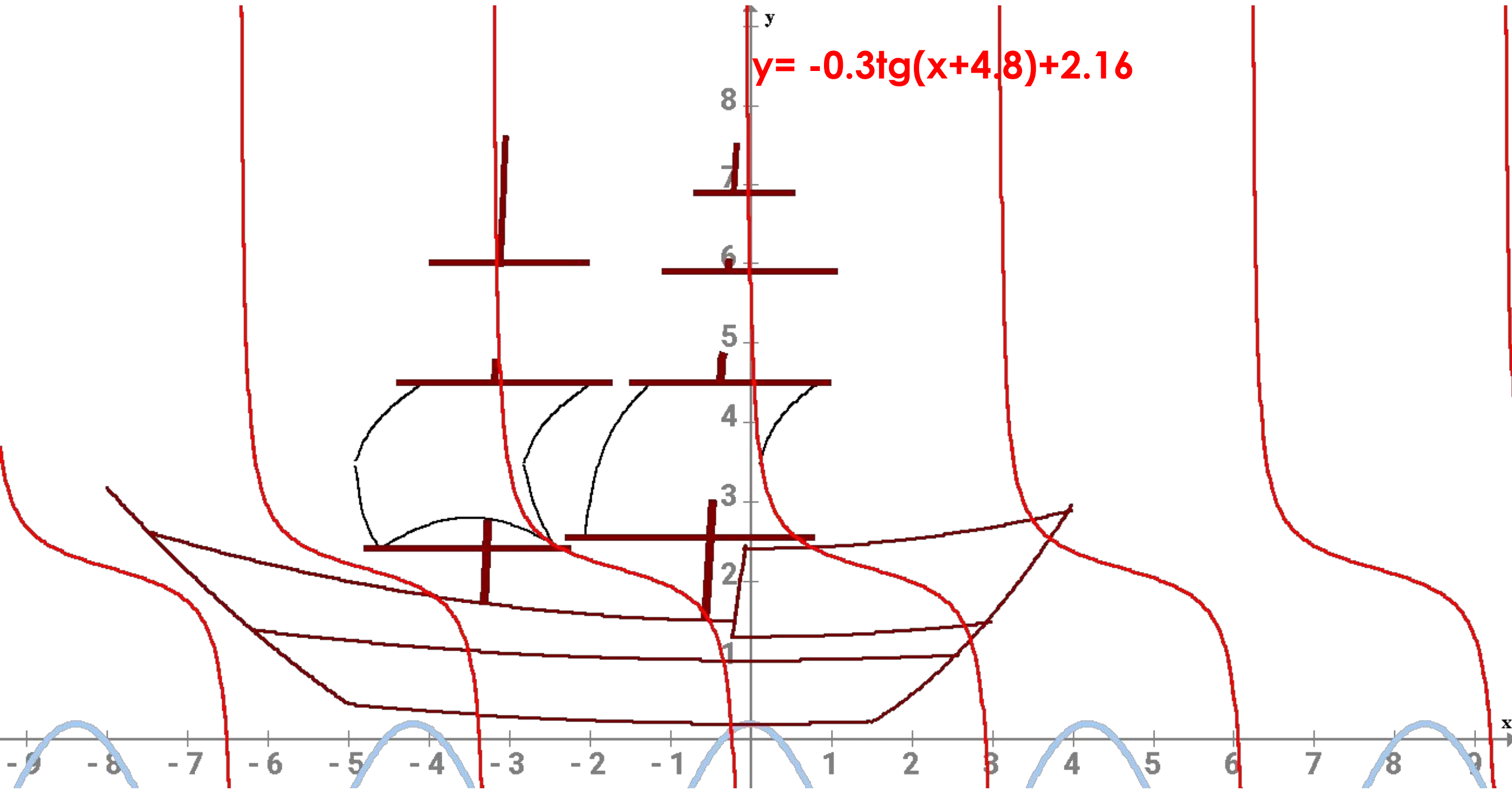


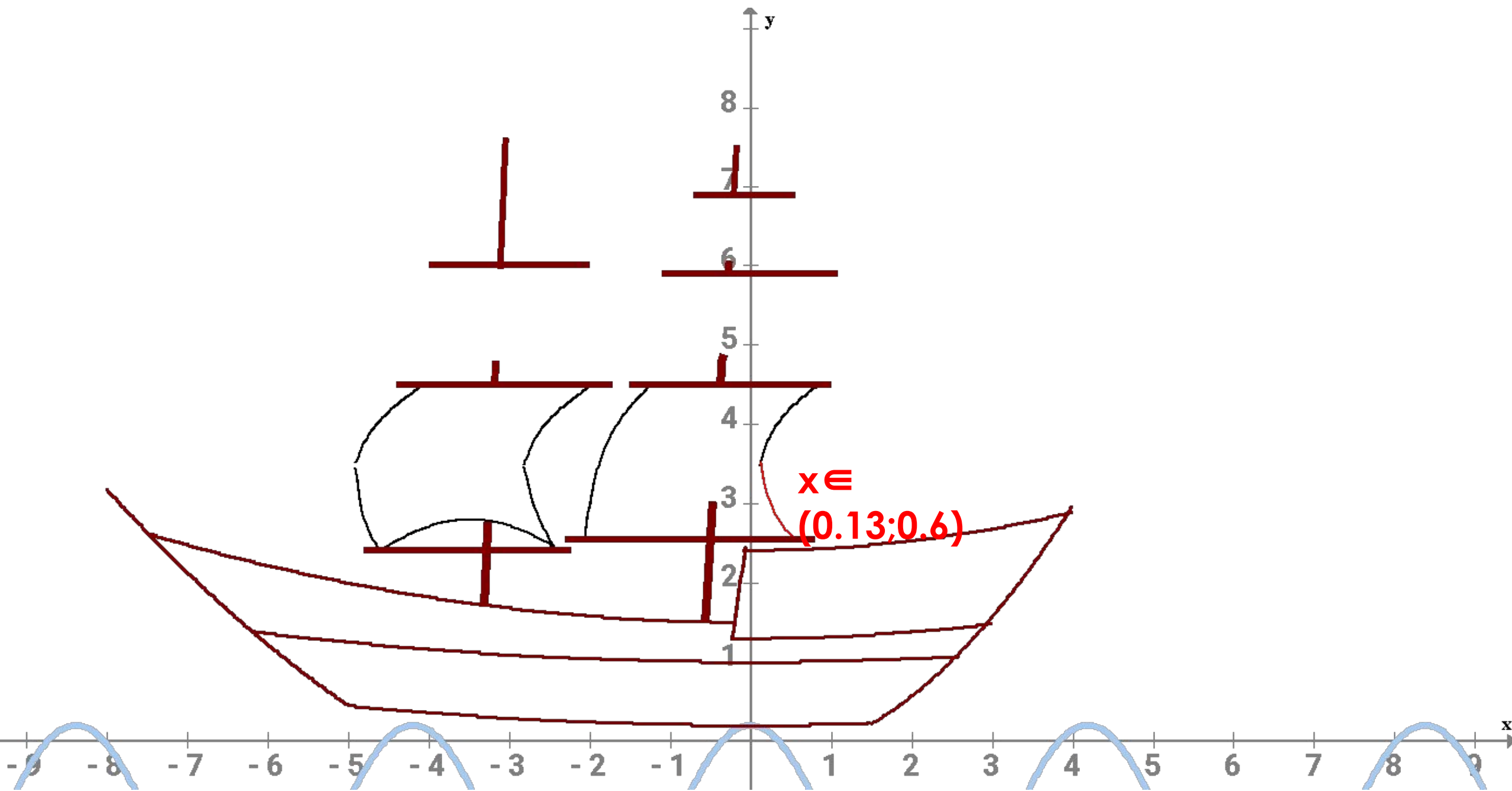


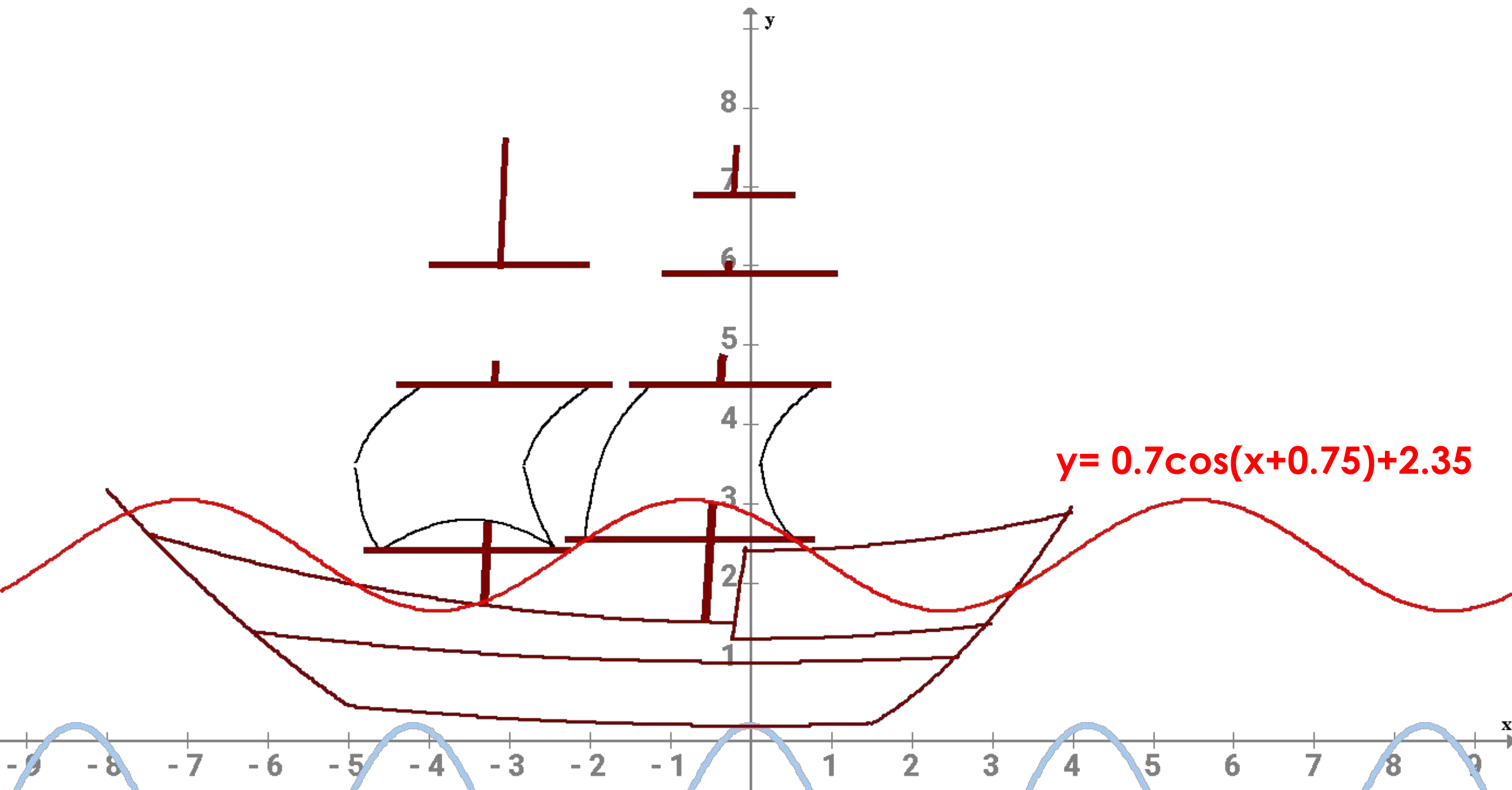


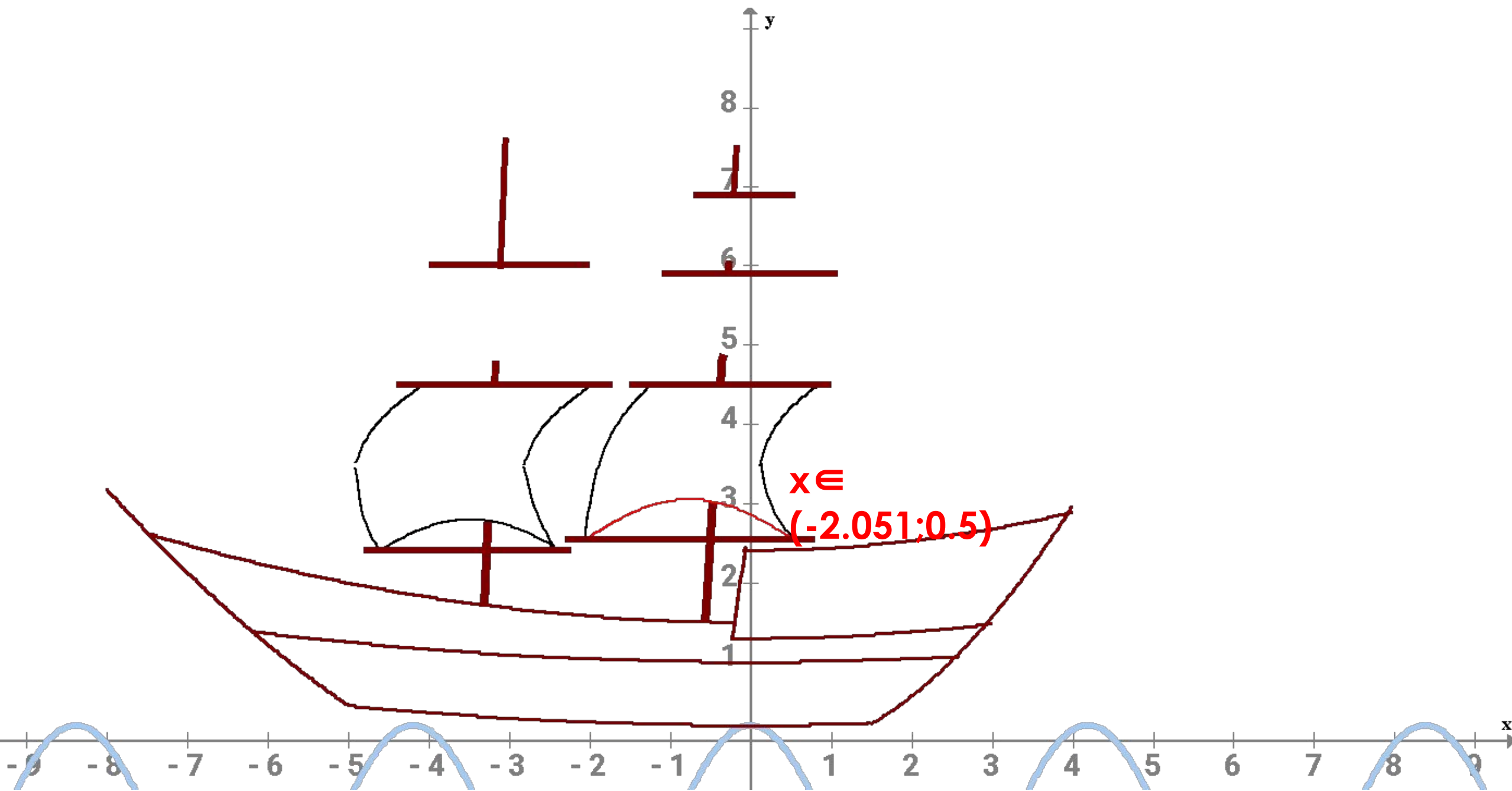


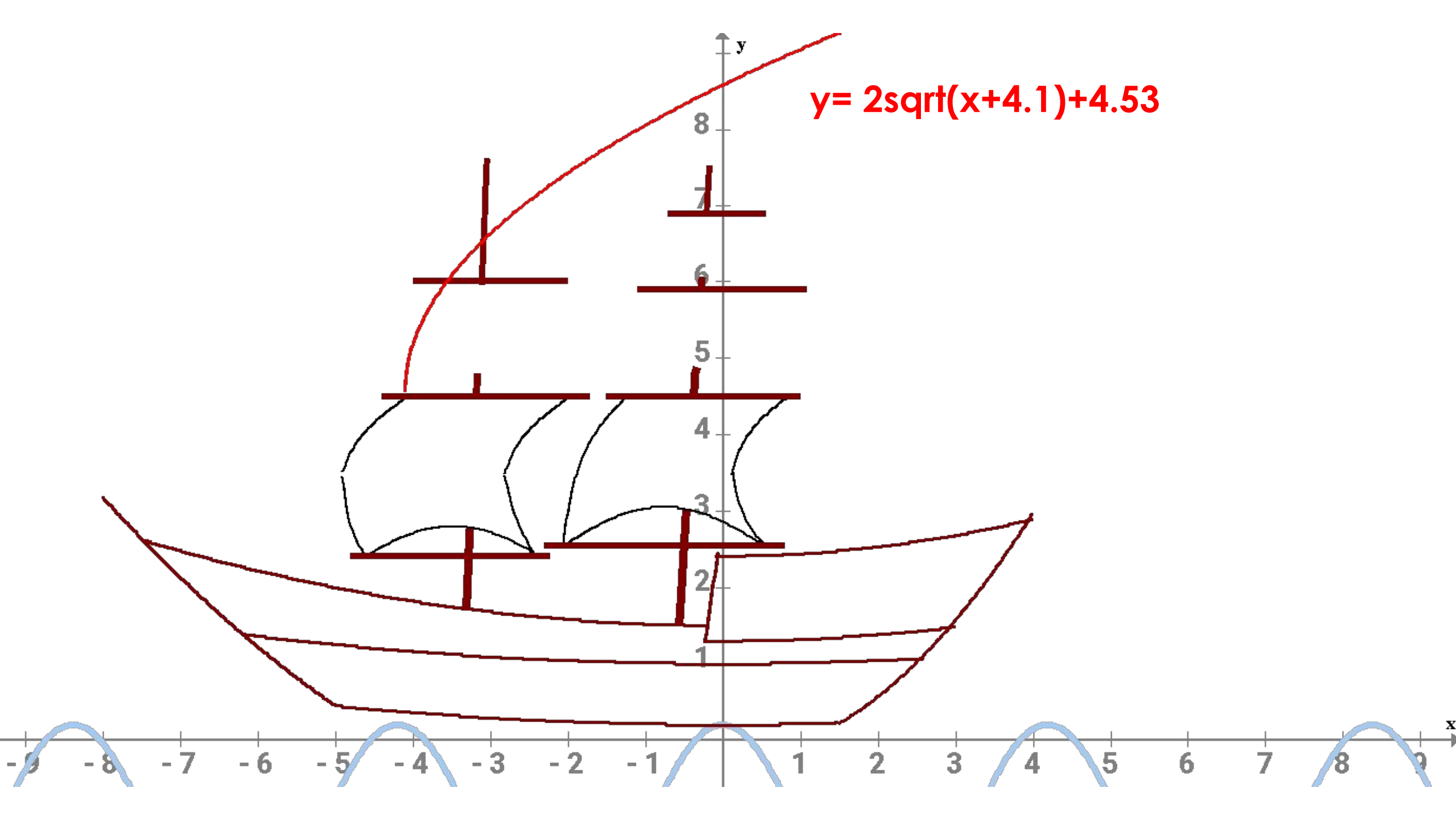
$y = -0.3 \operatorname{tg}(x + 4.8) + 2.16$



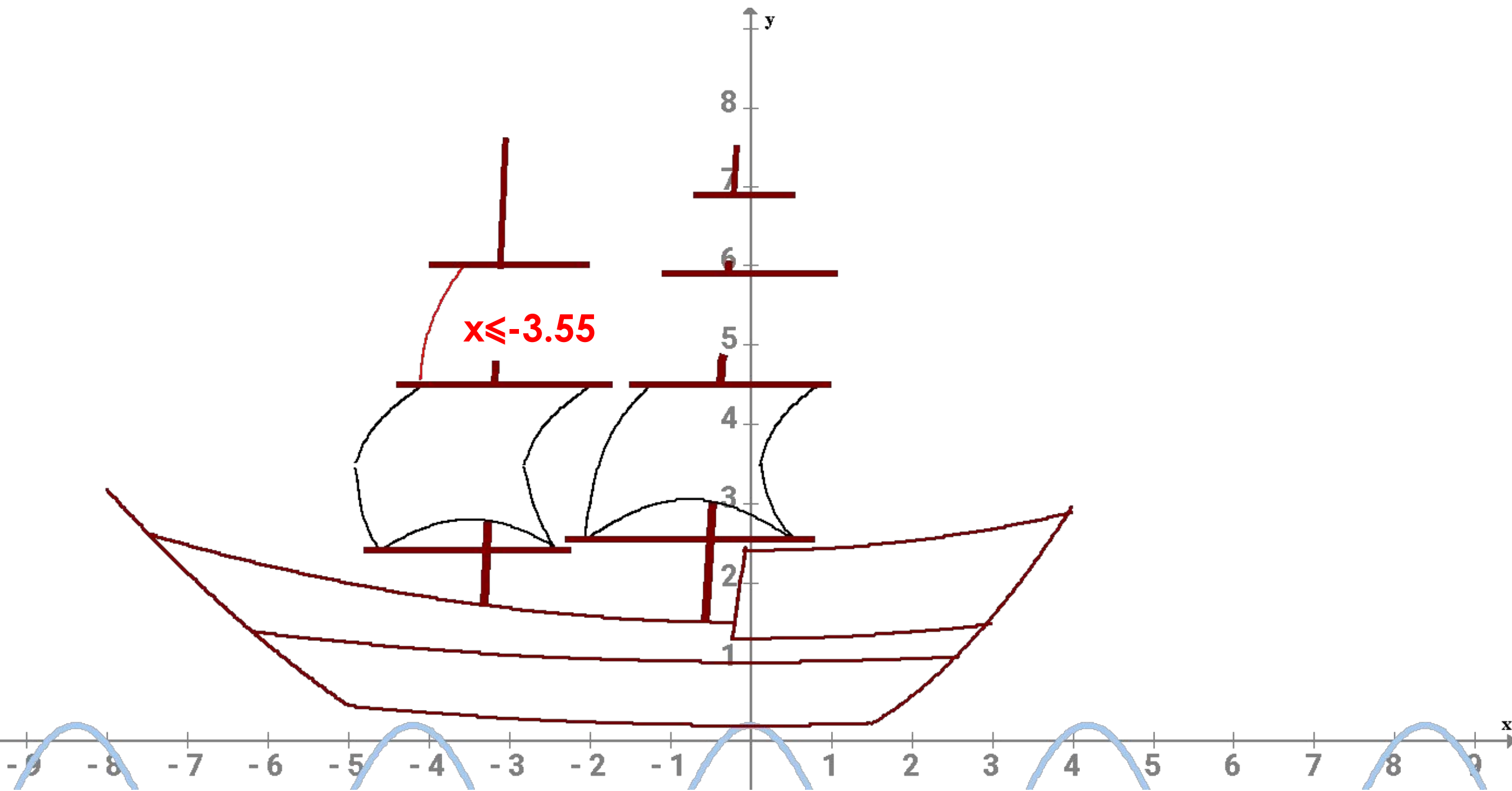


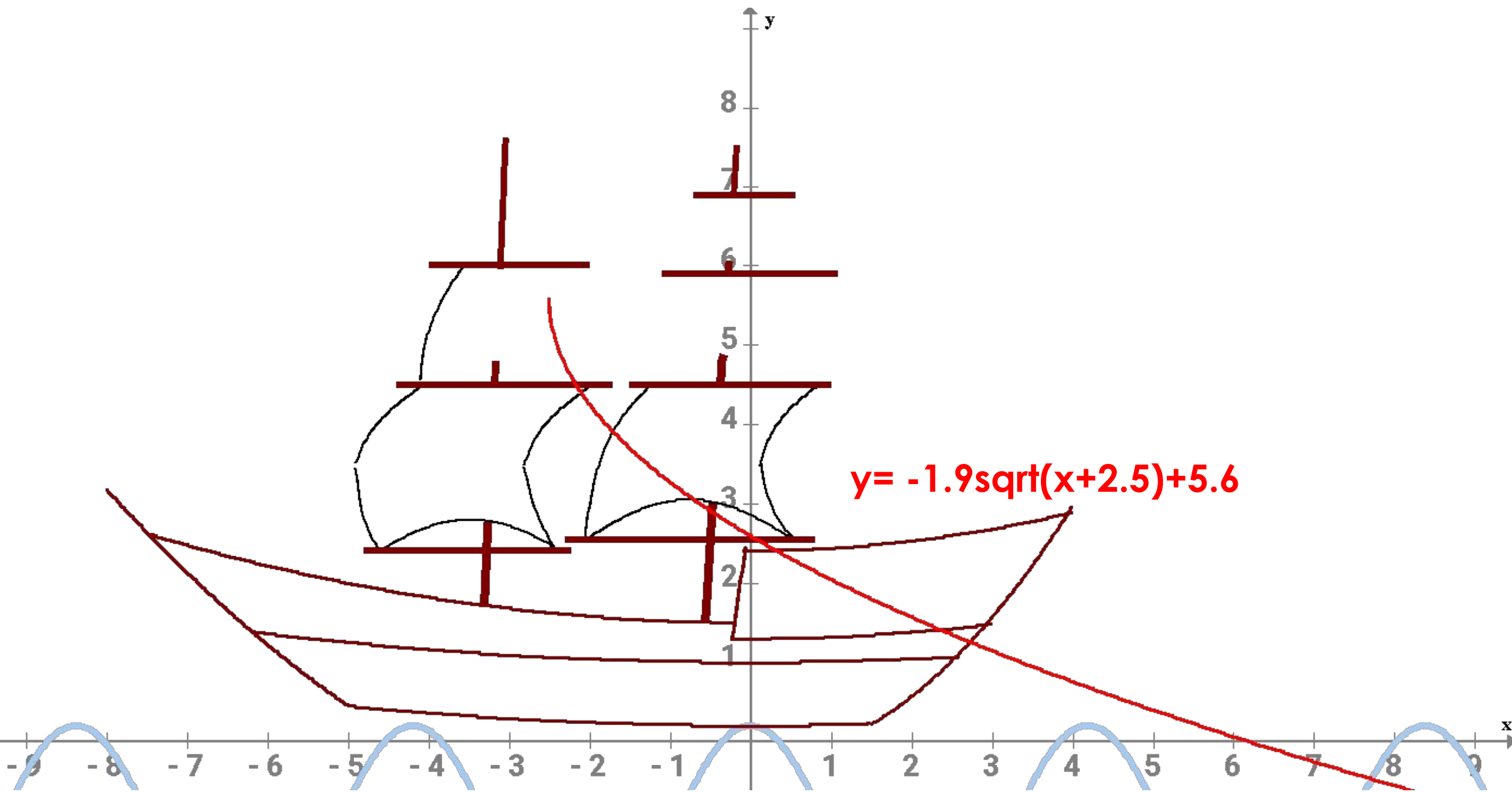


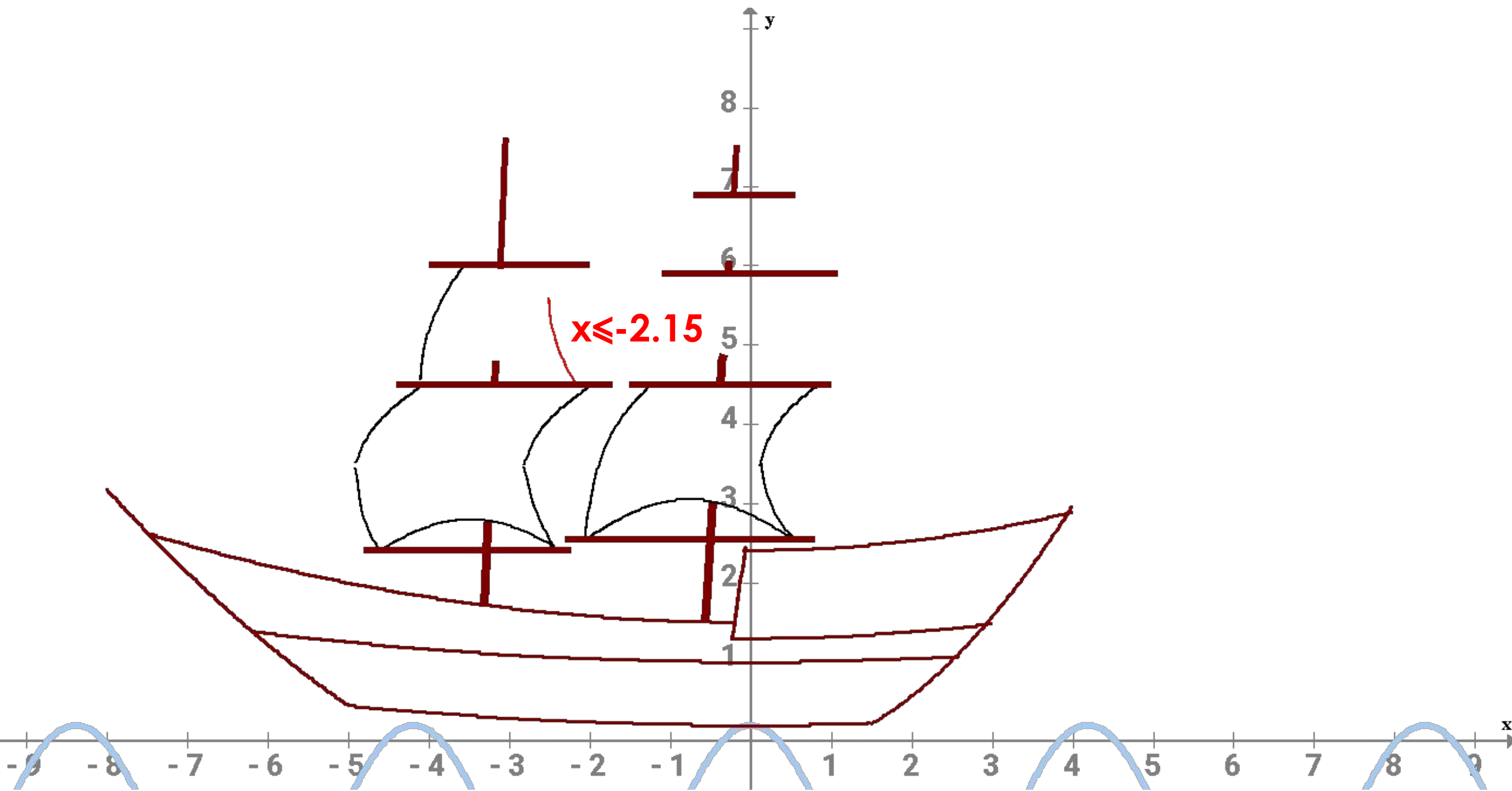




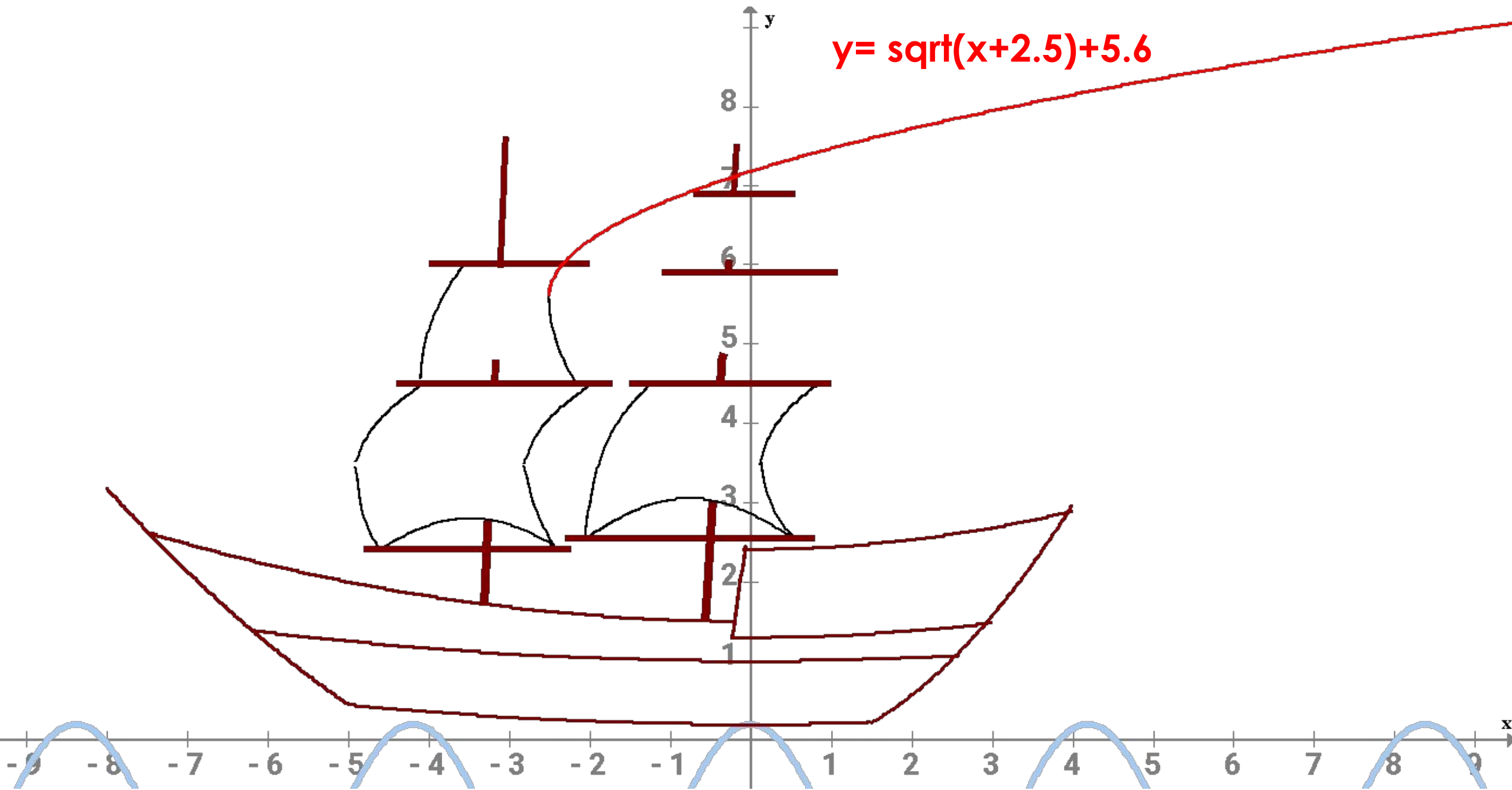
$$y = 2\sqrt{x+4.1} + 4.53$$

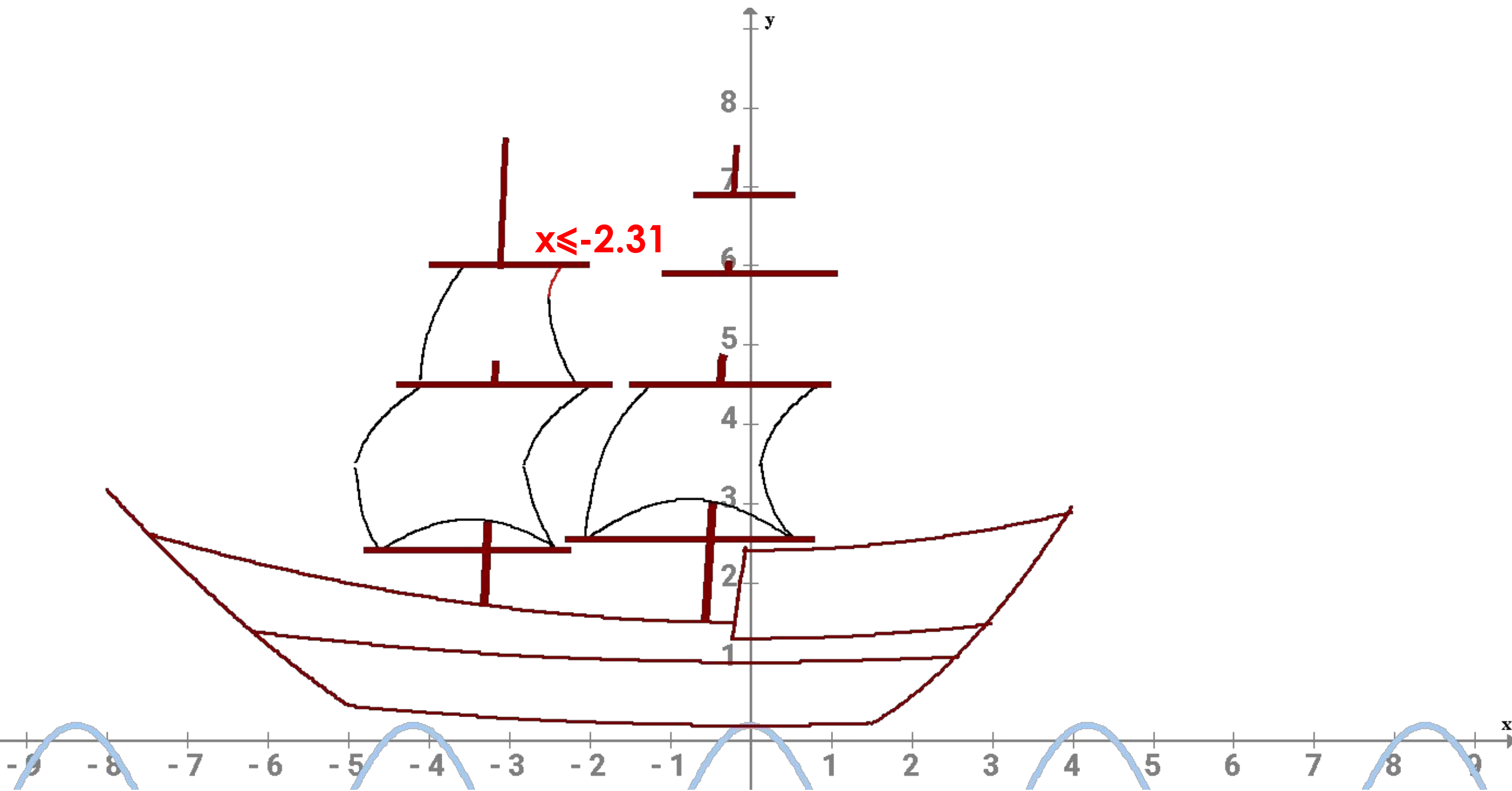


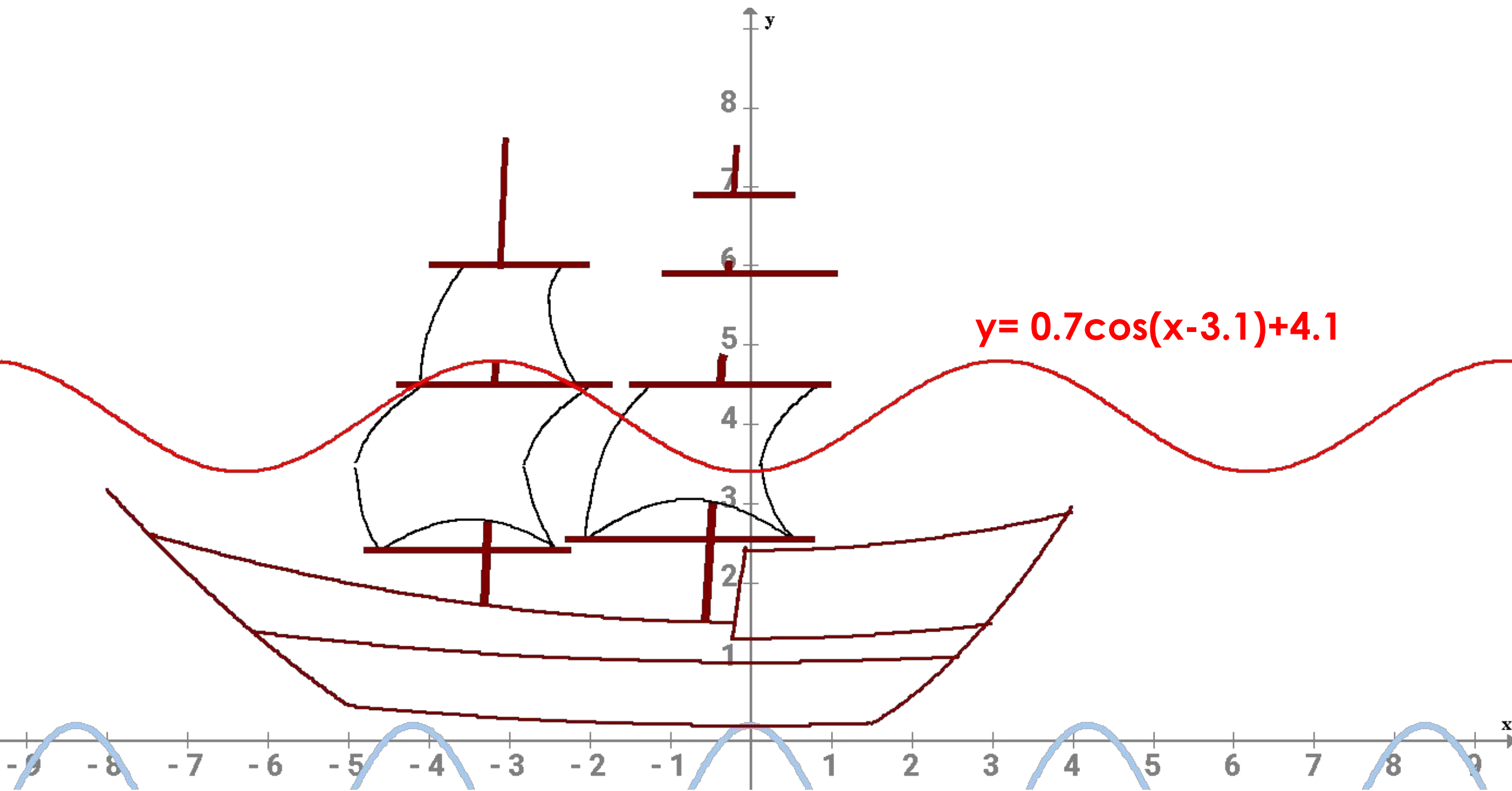


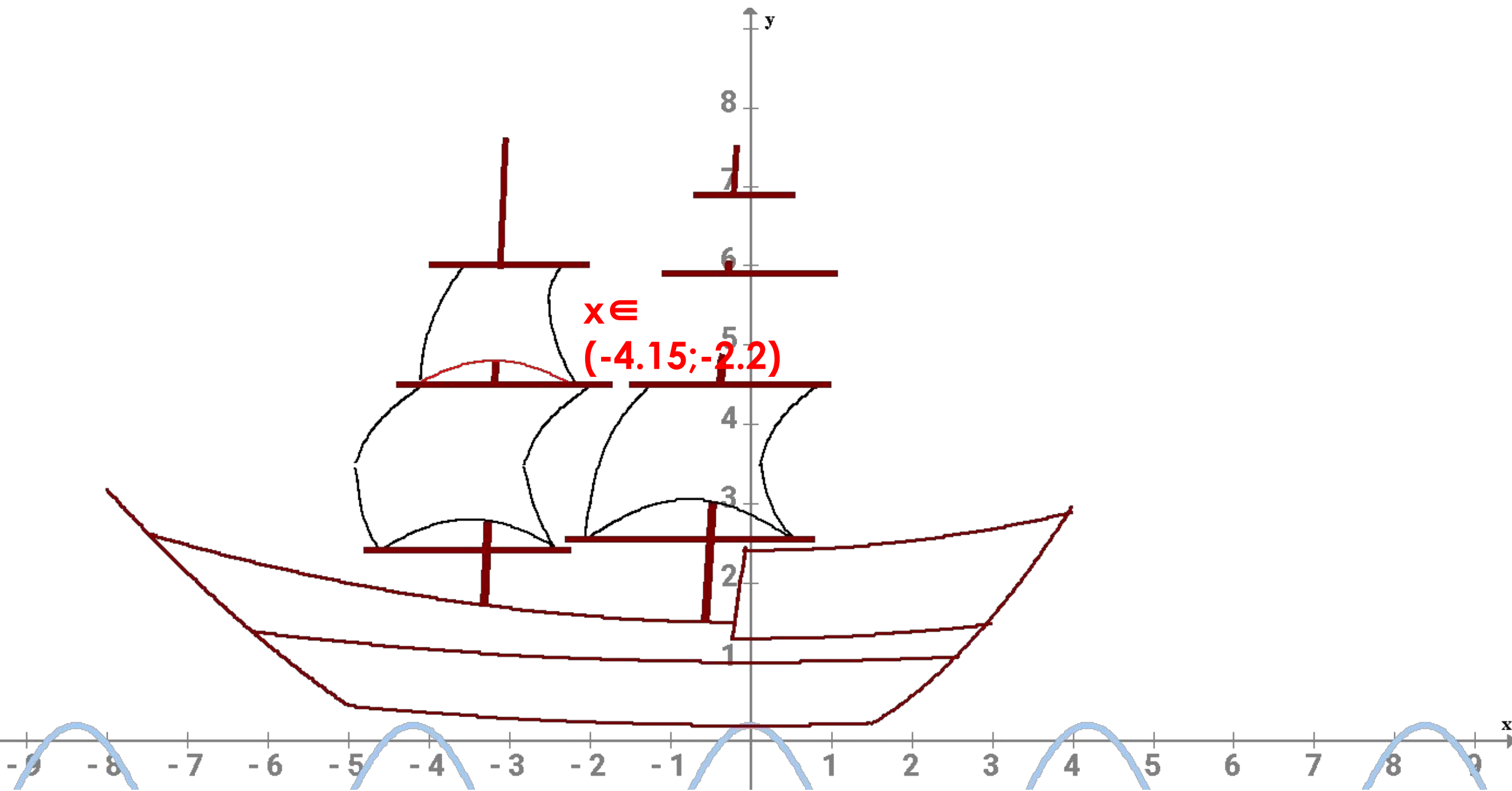


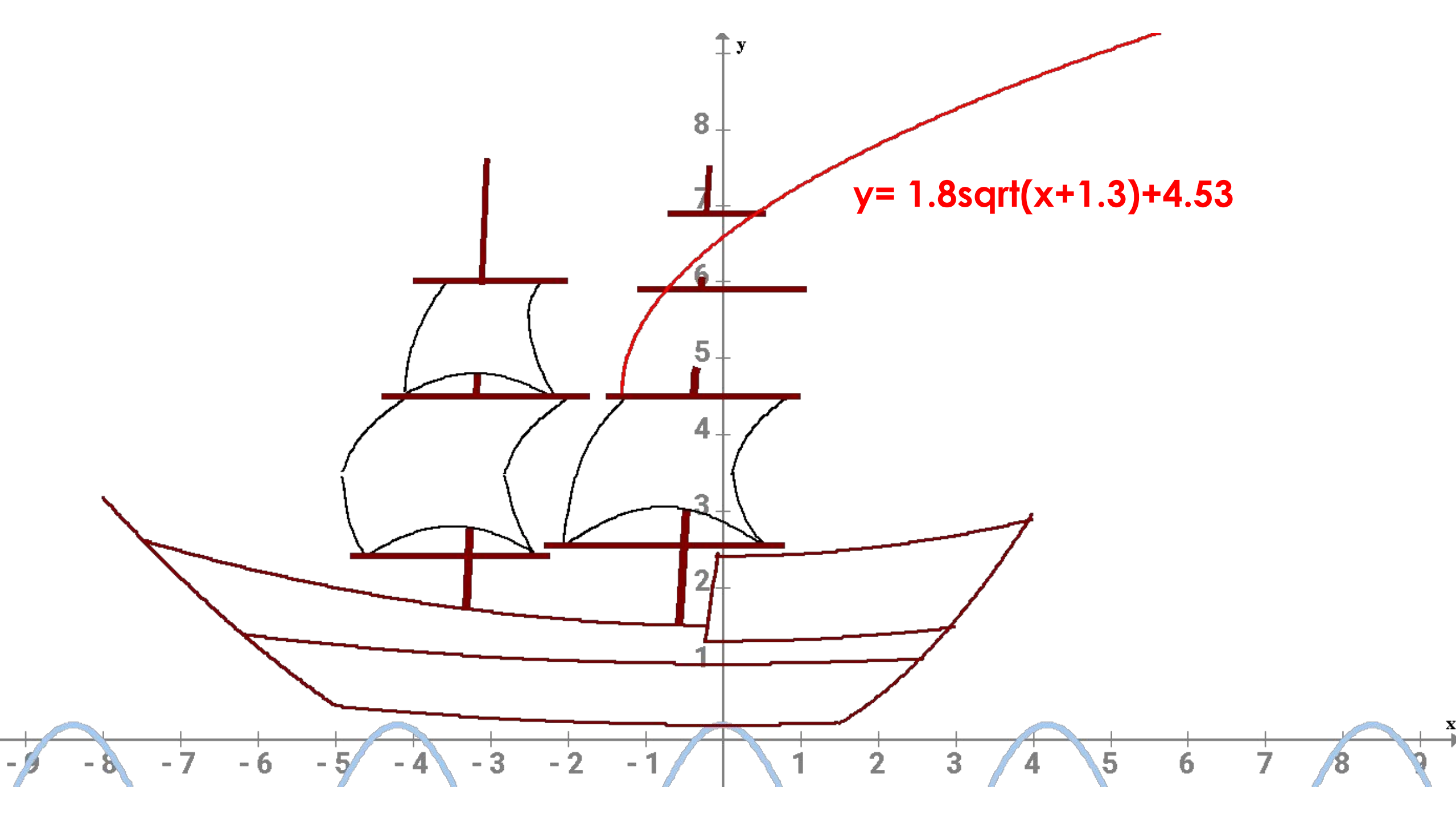
$$y = \sqrt{x+2.5} + 5.6$$

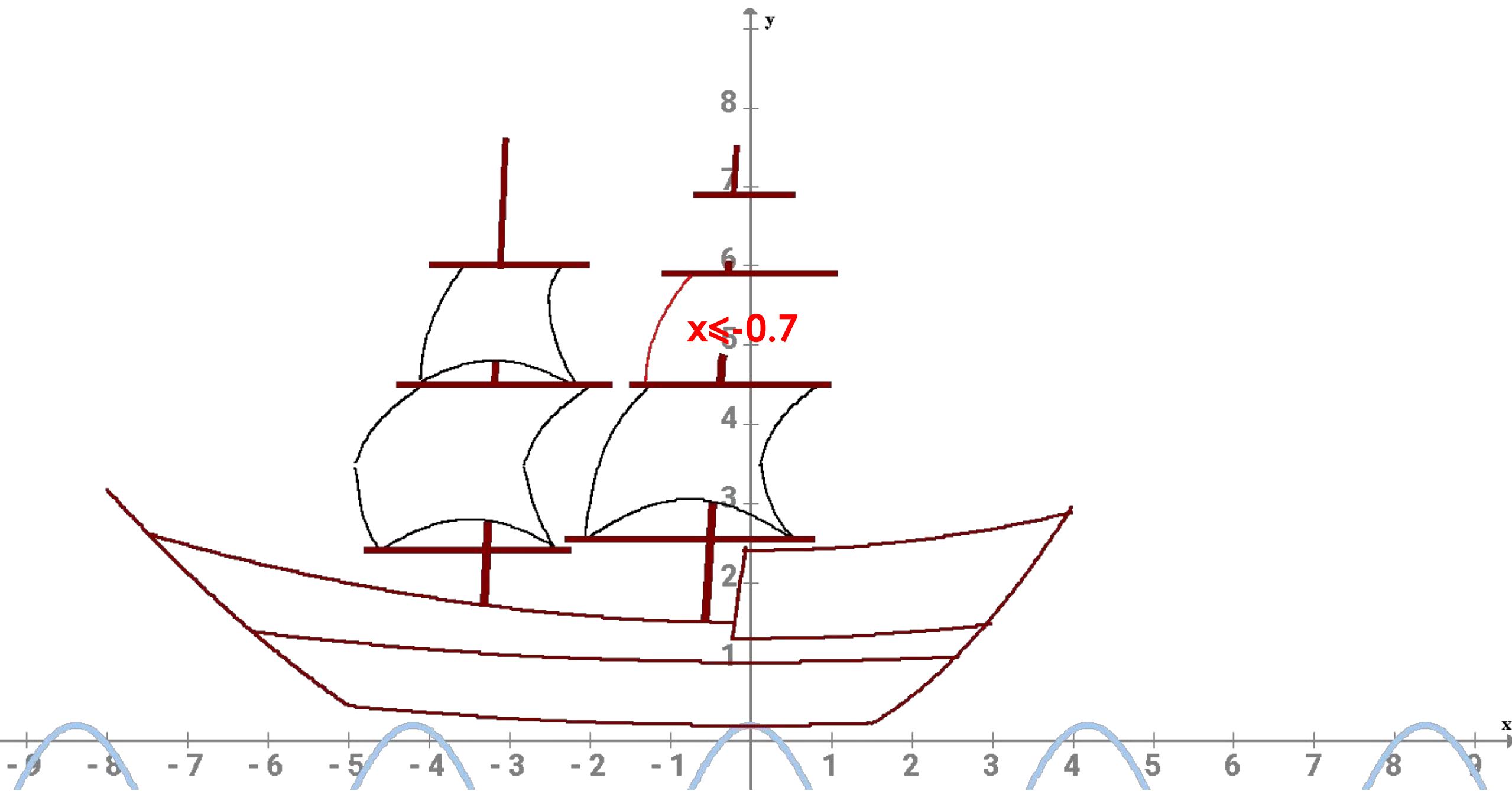


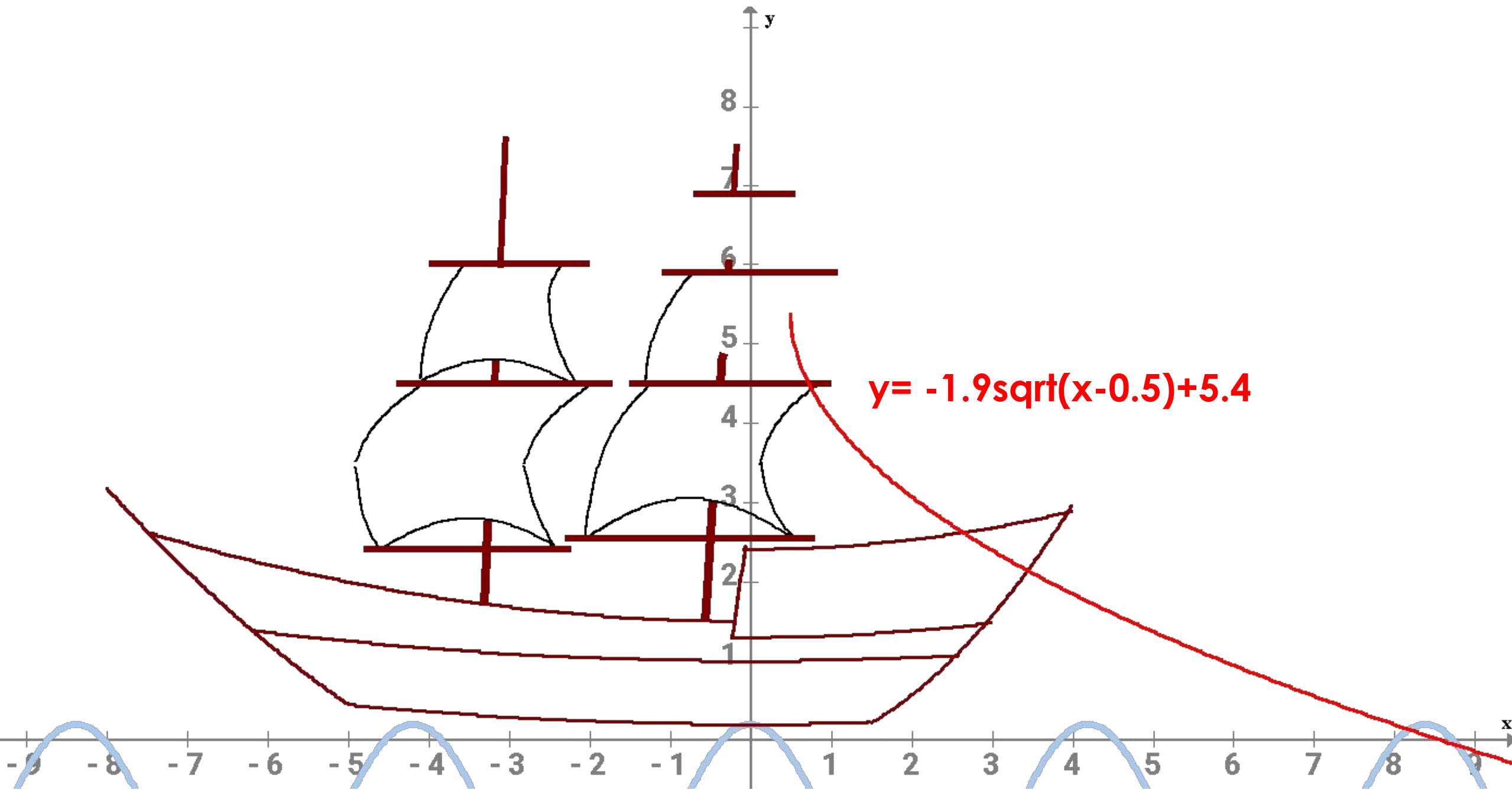


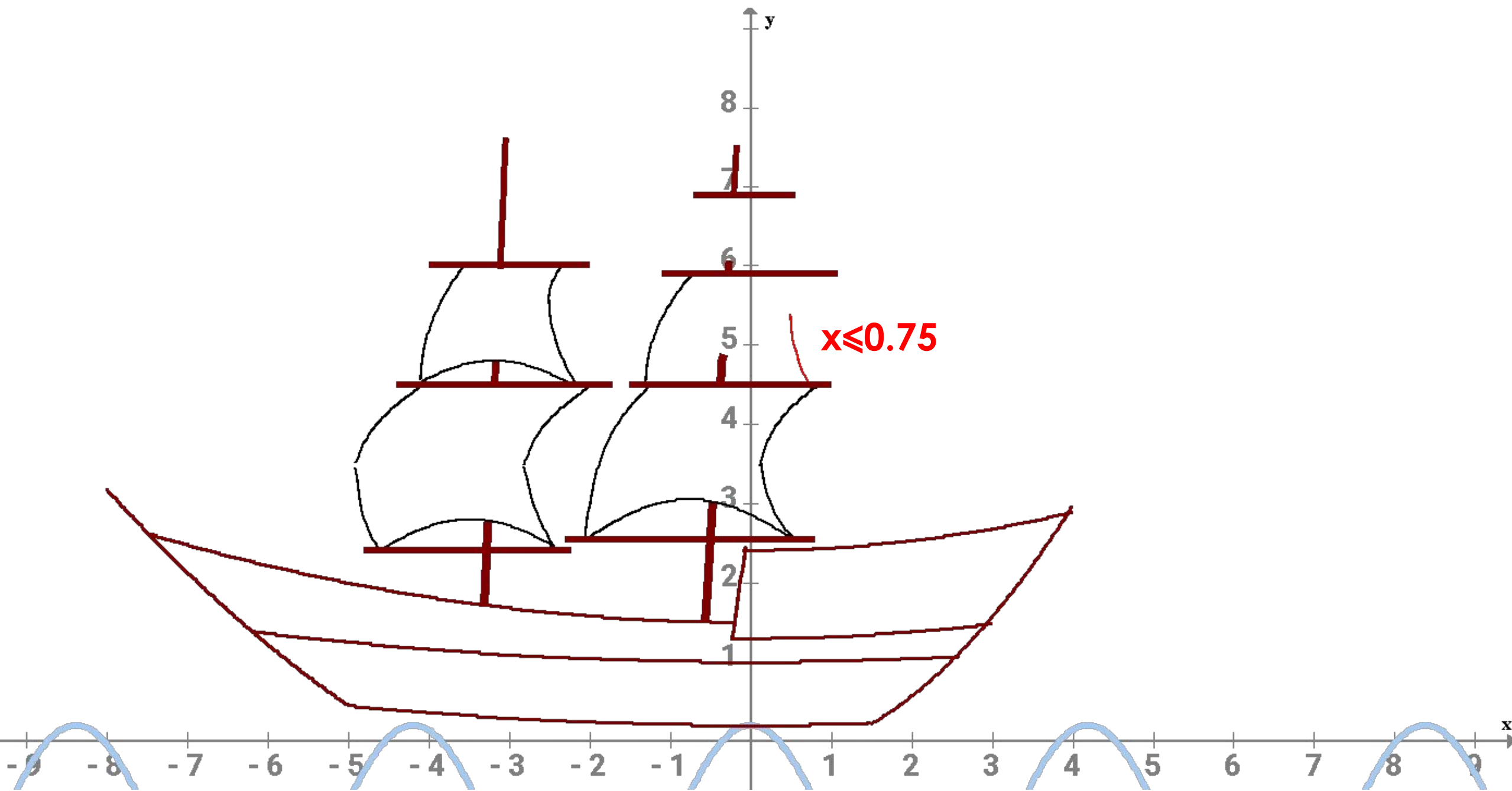


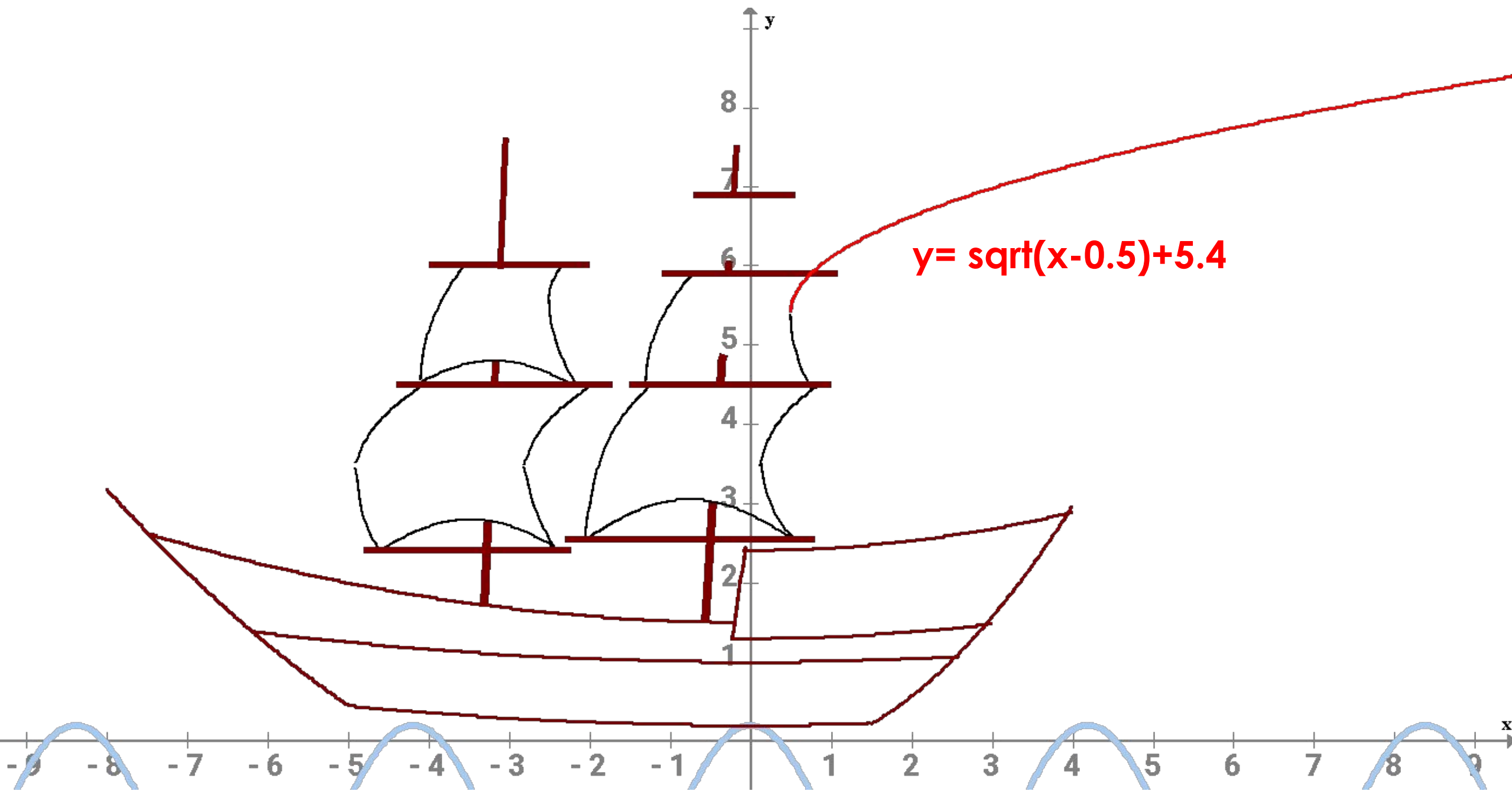


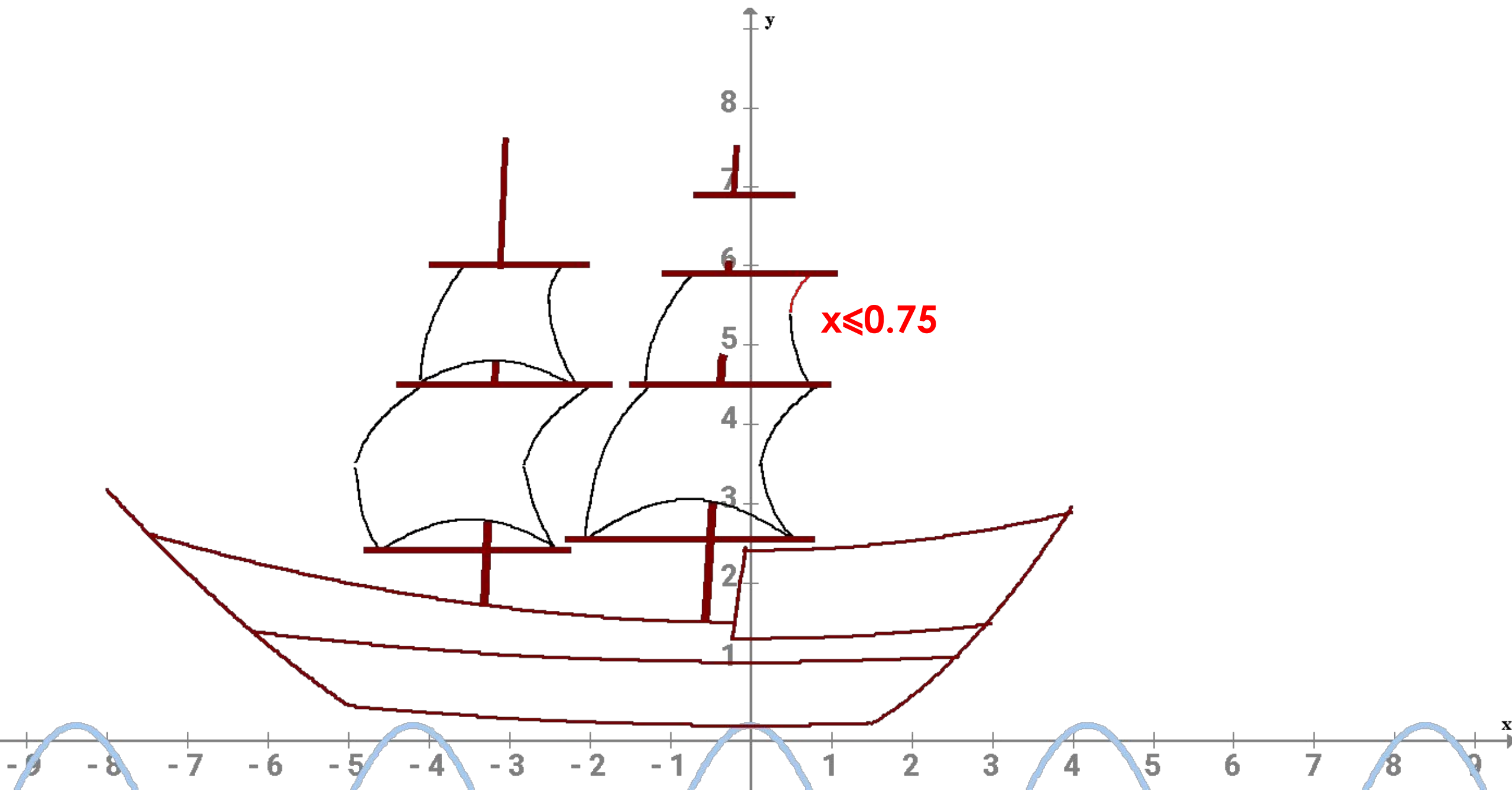


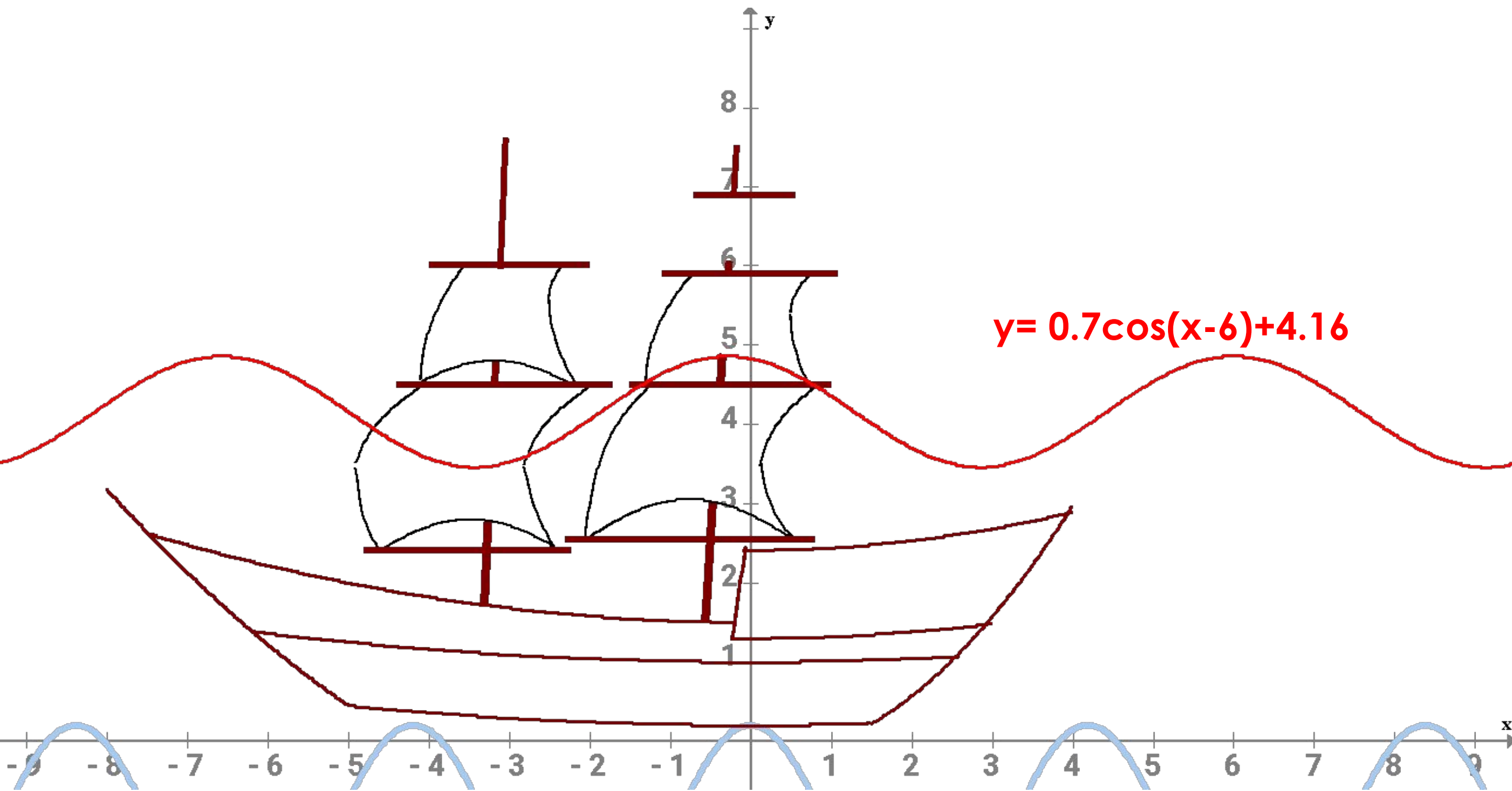


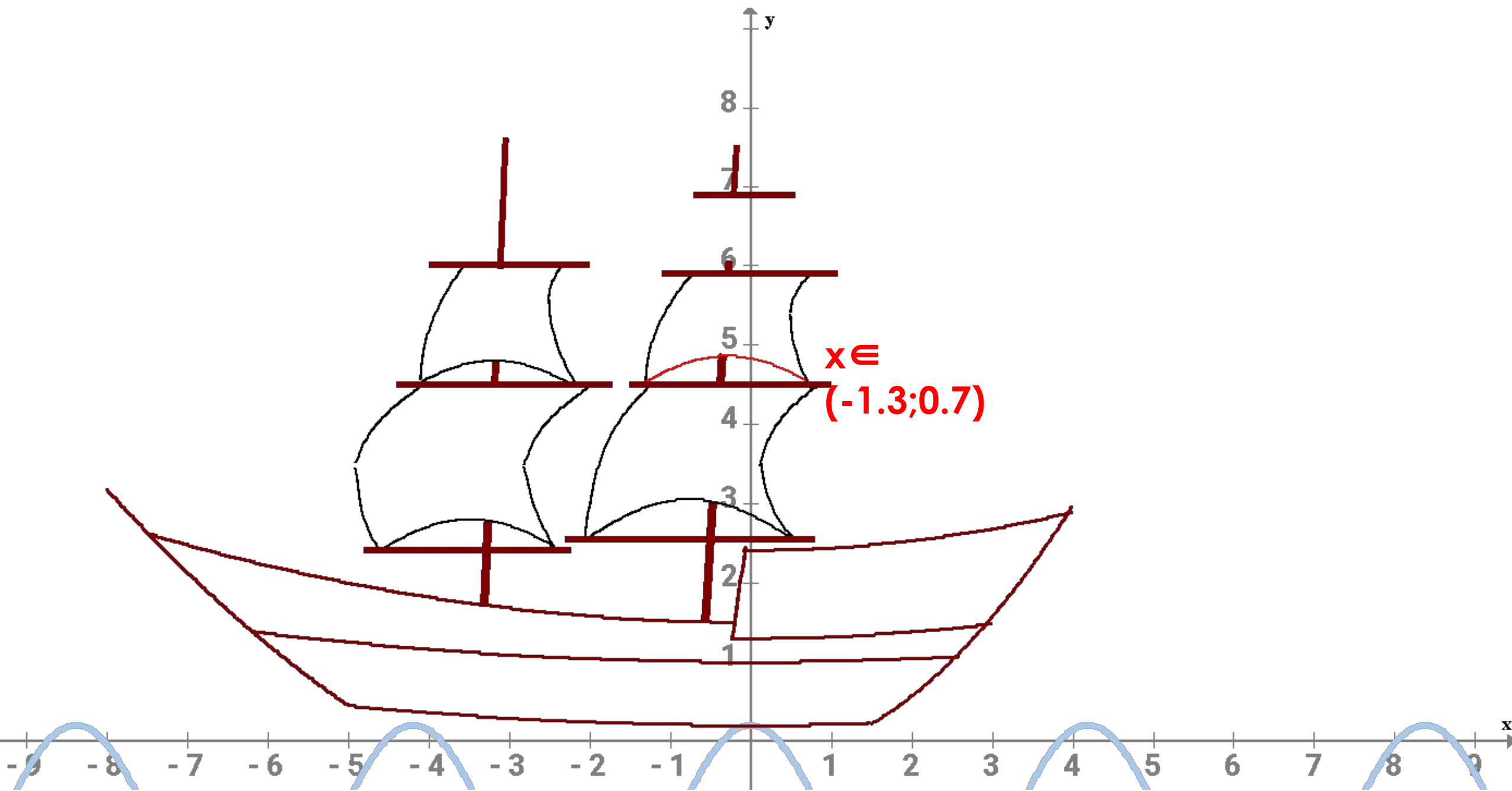


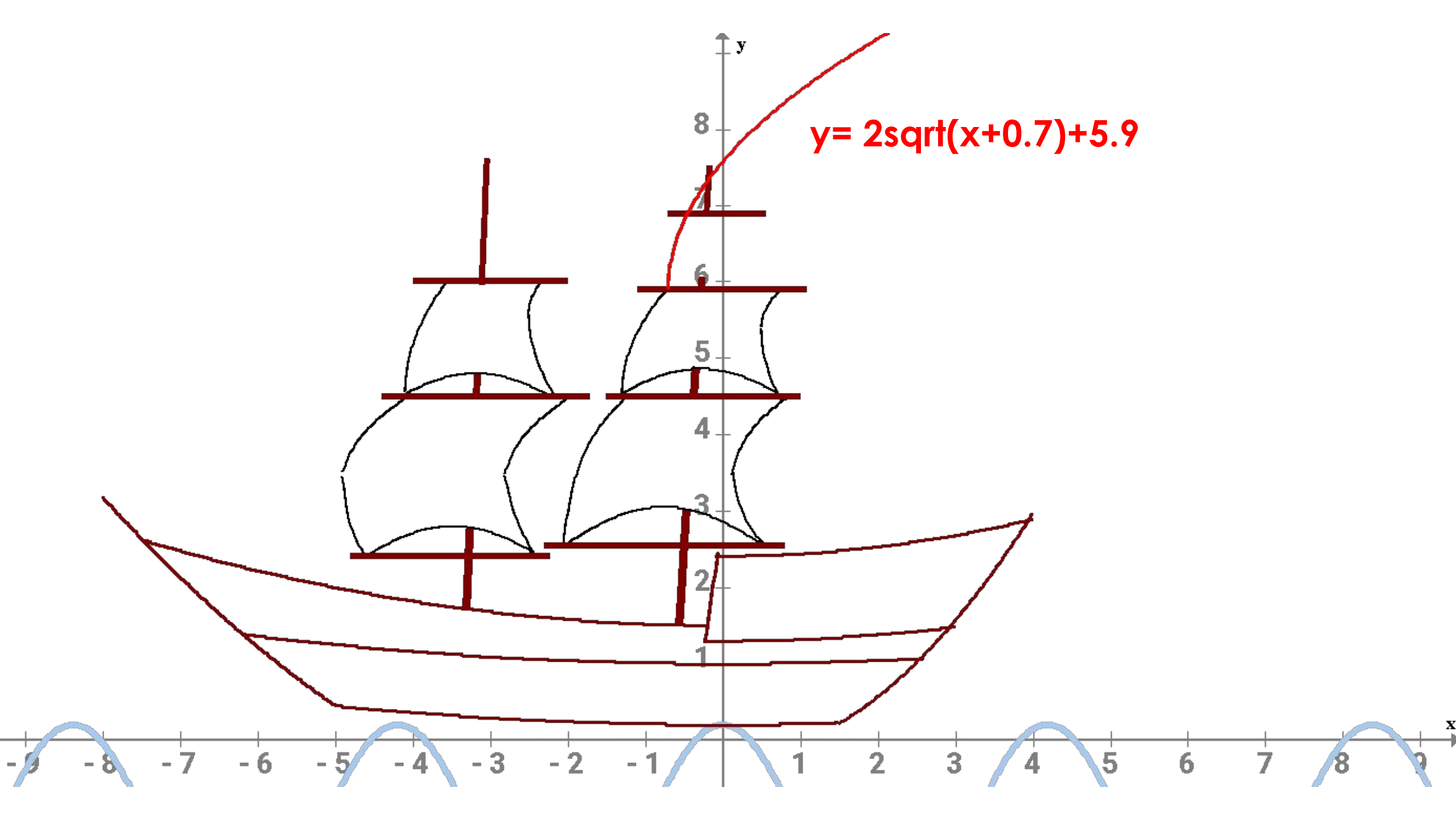


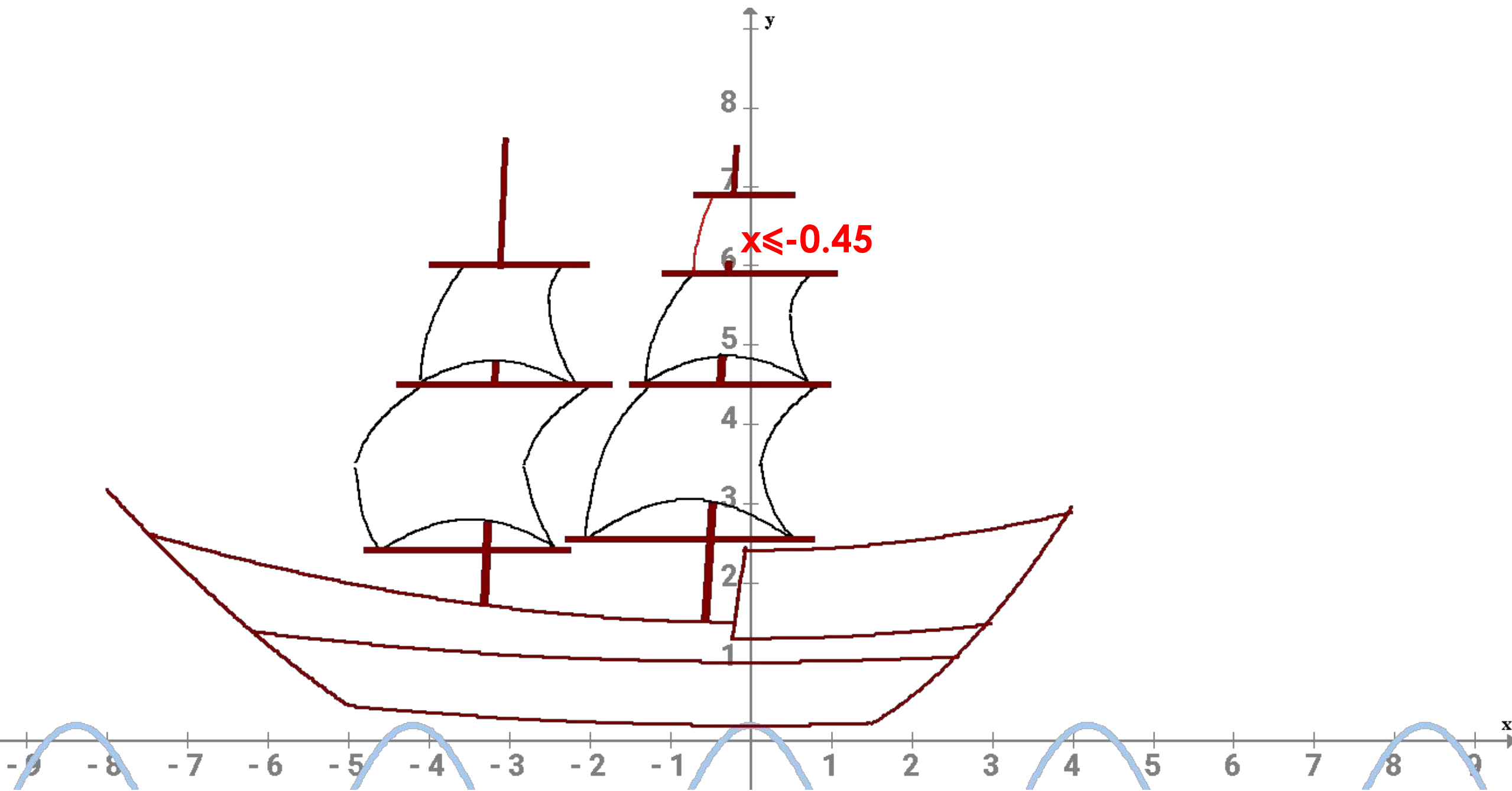


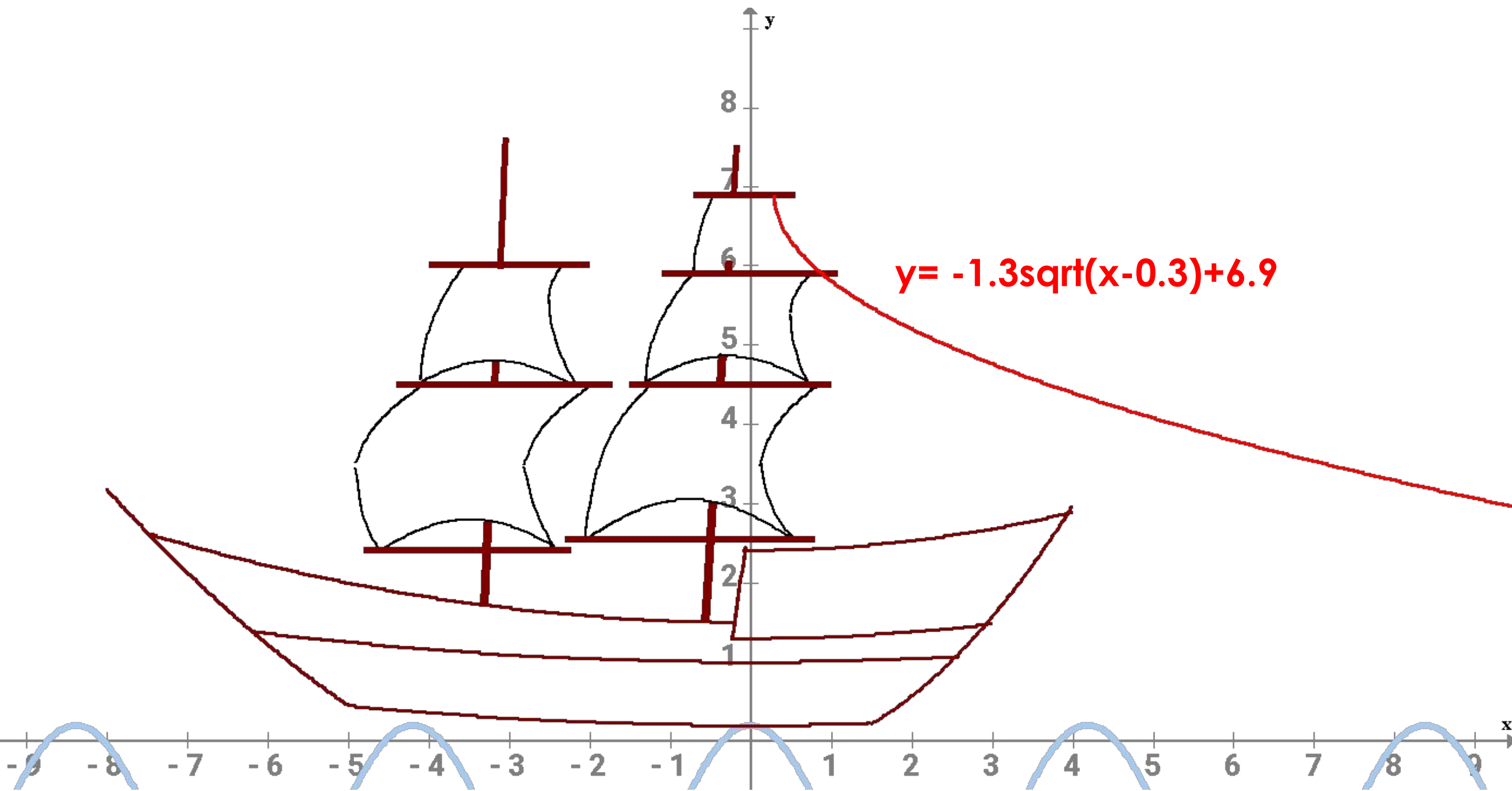


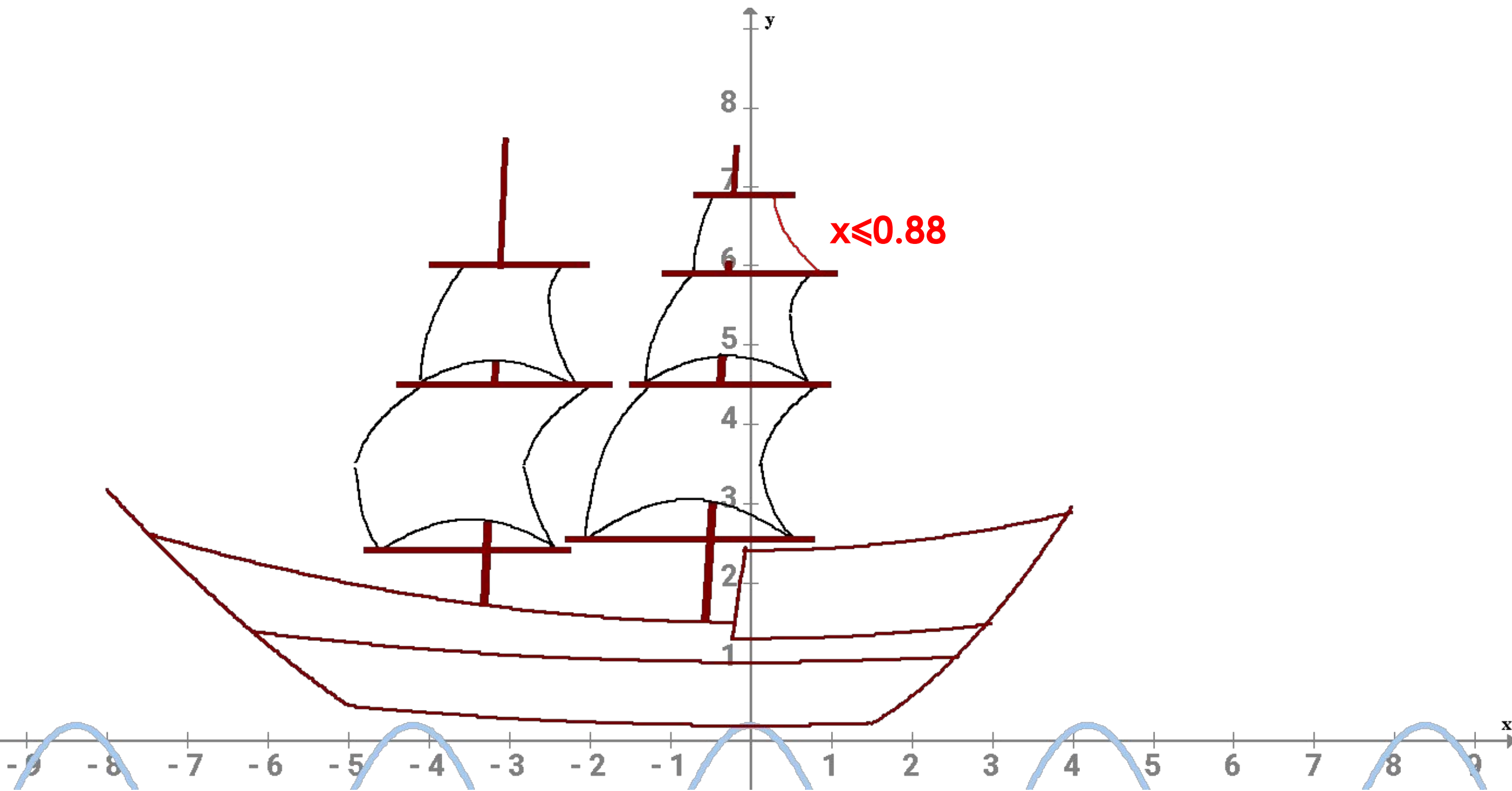


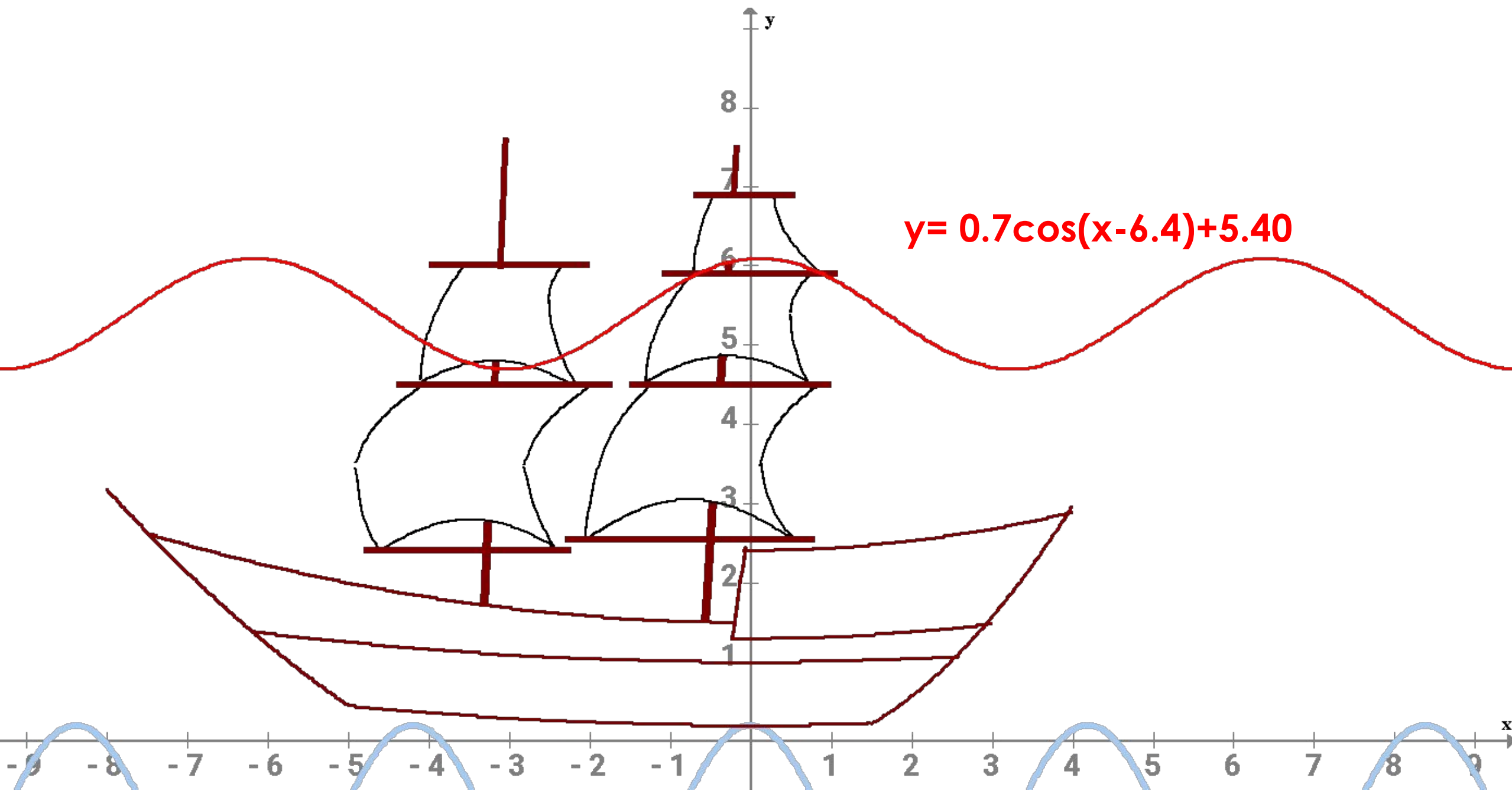


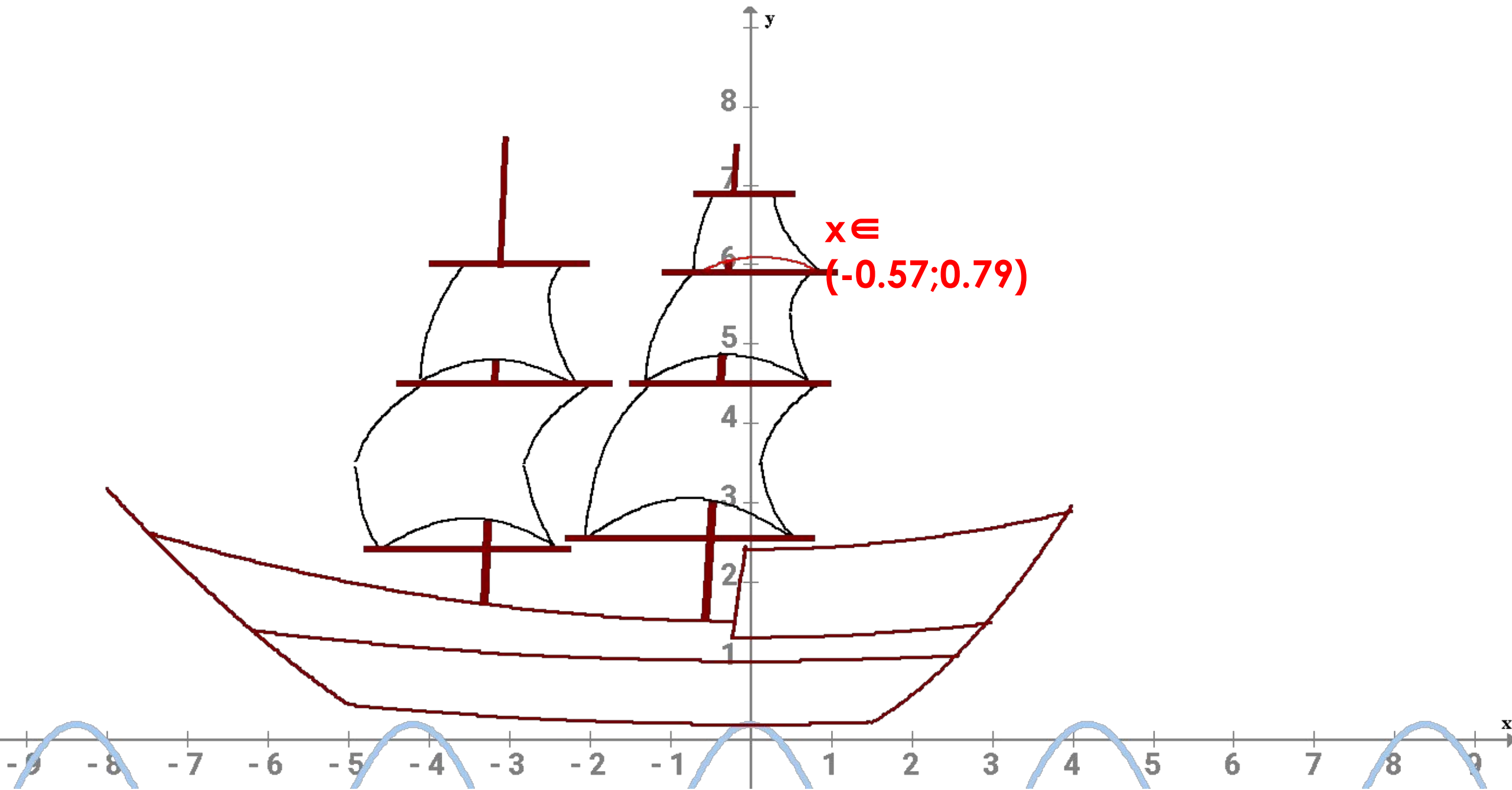


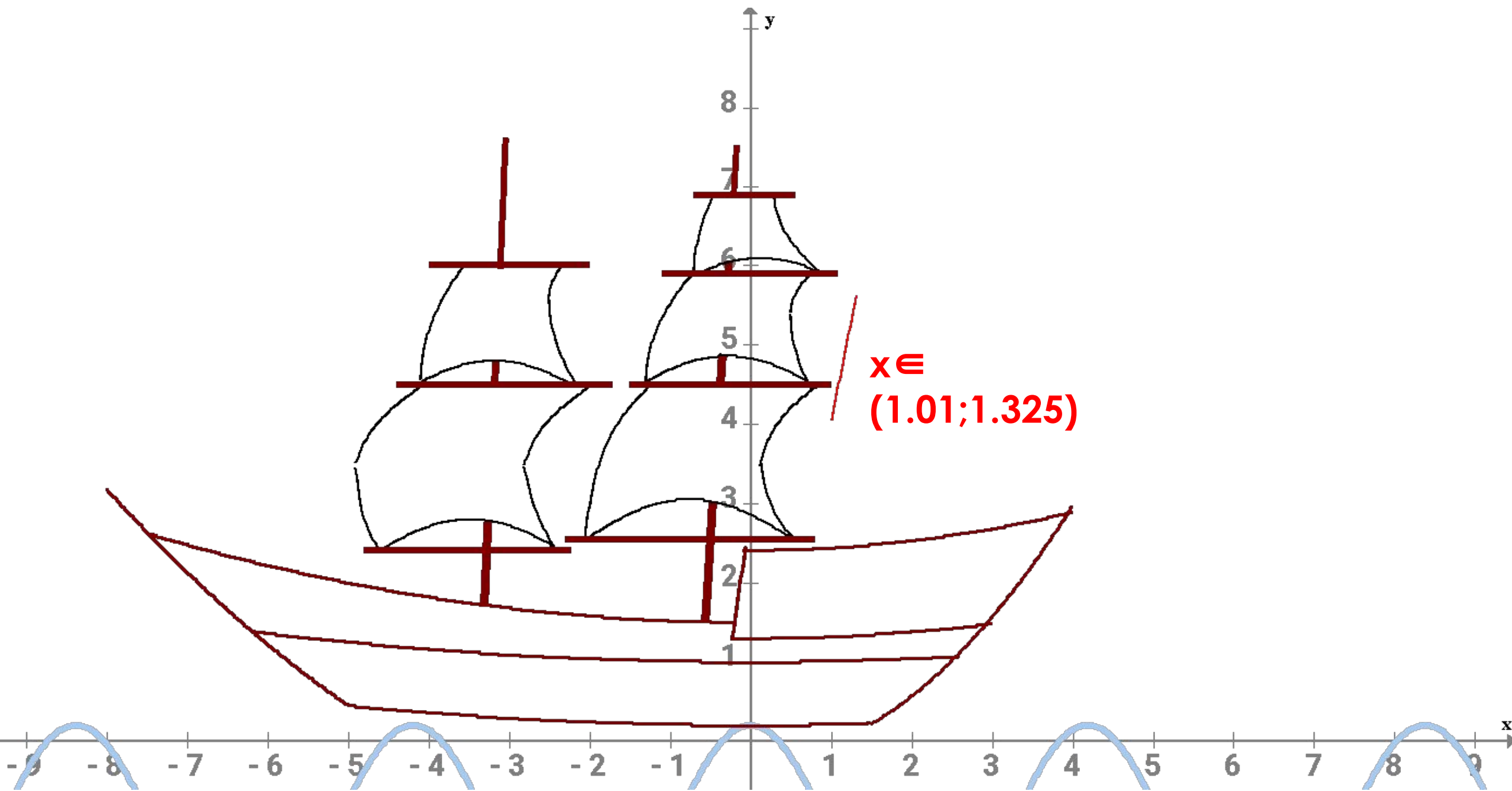


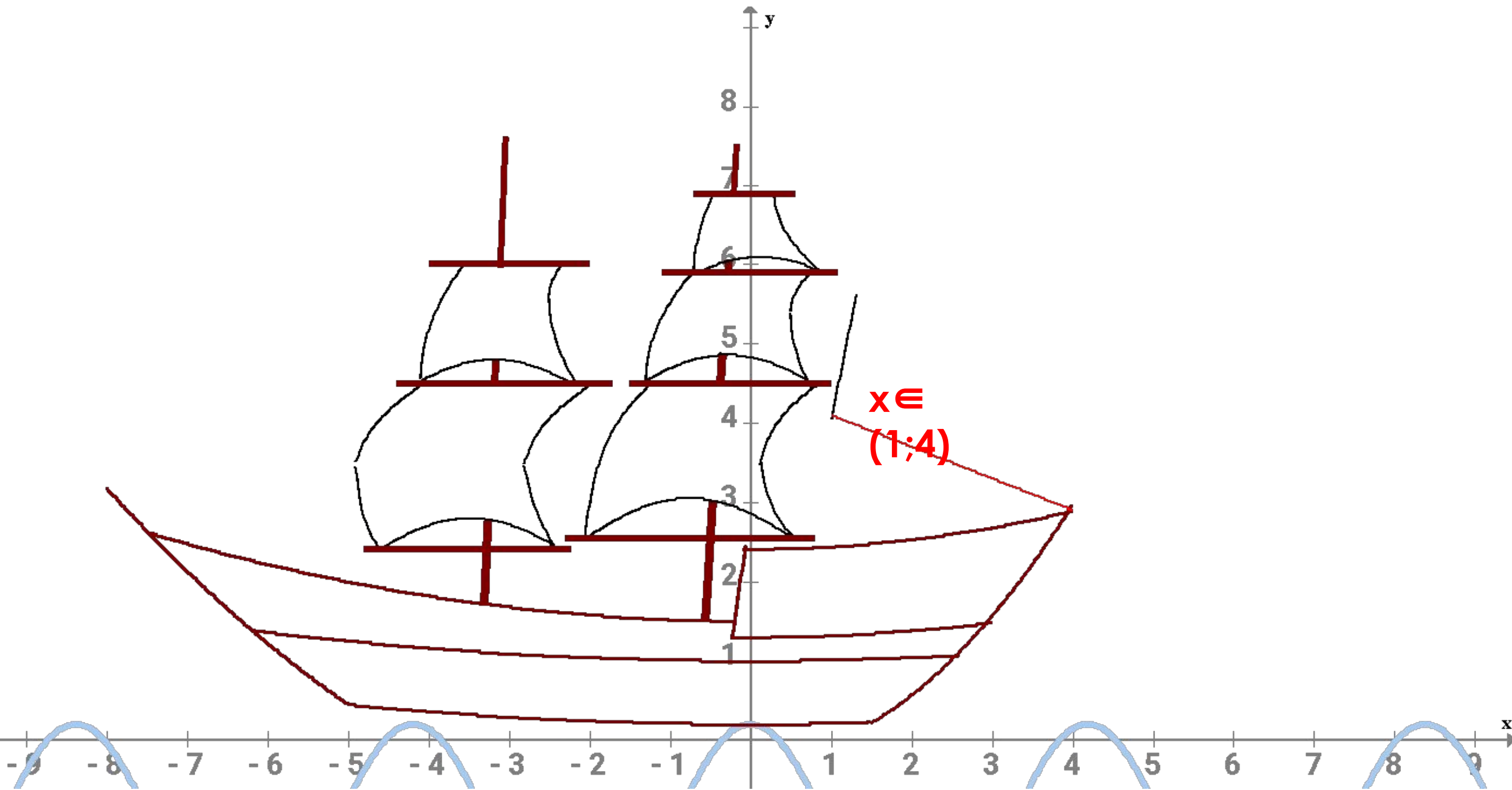


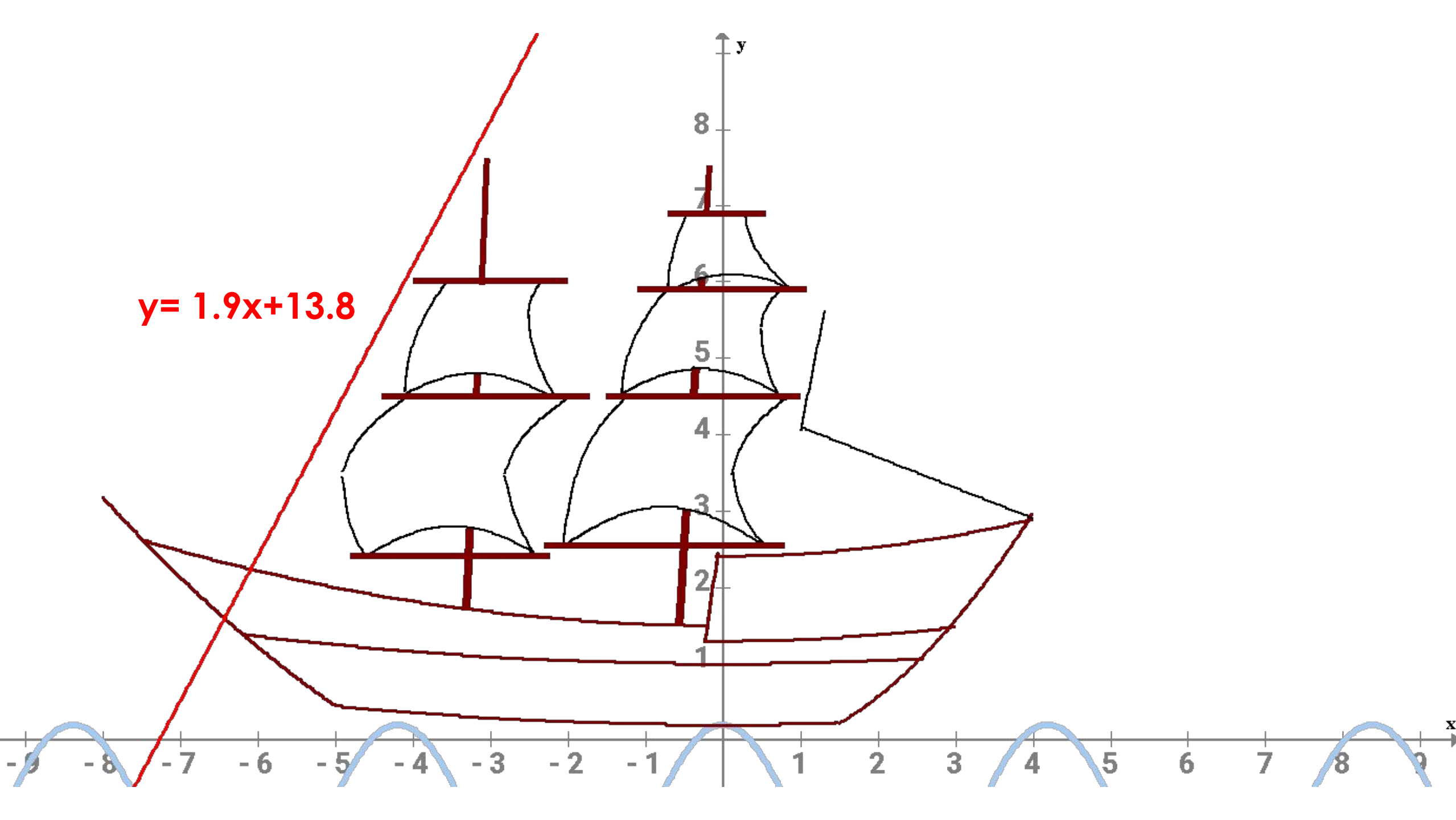


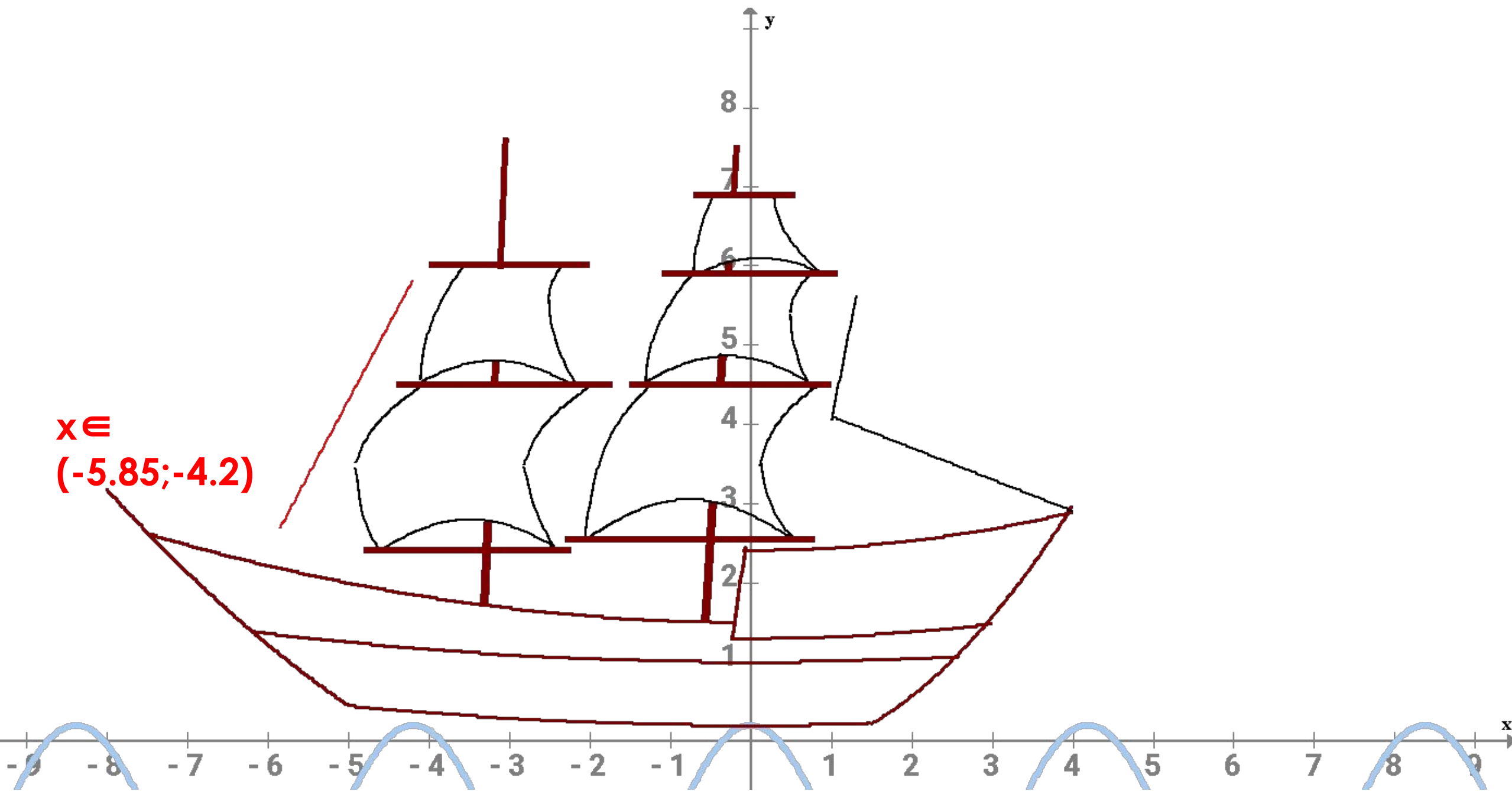


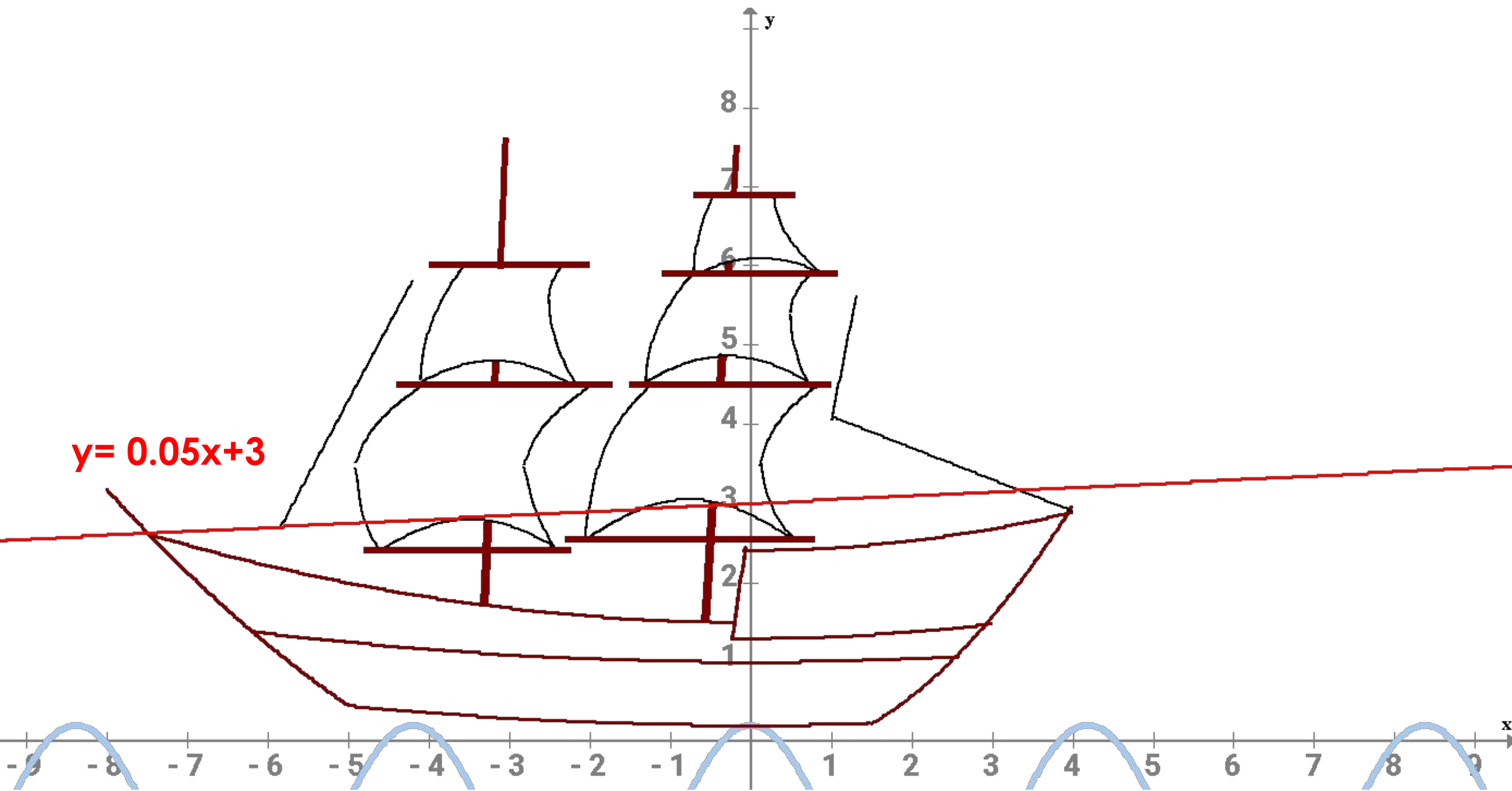


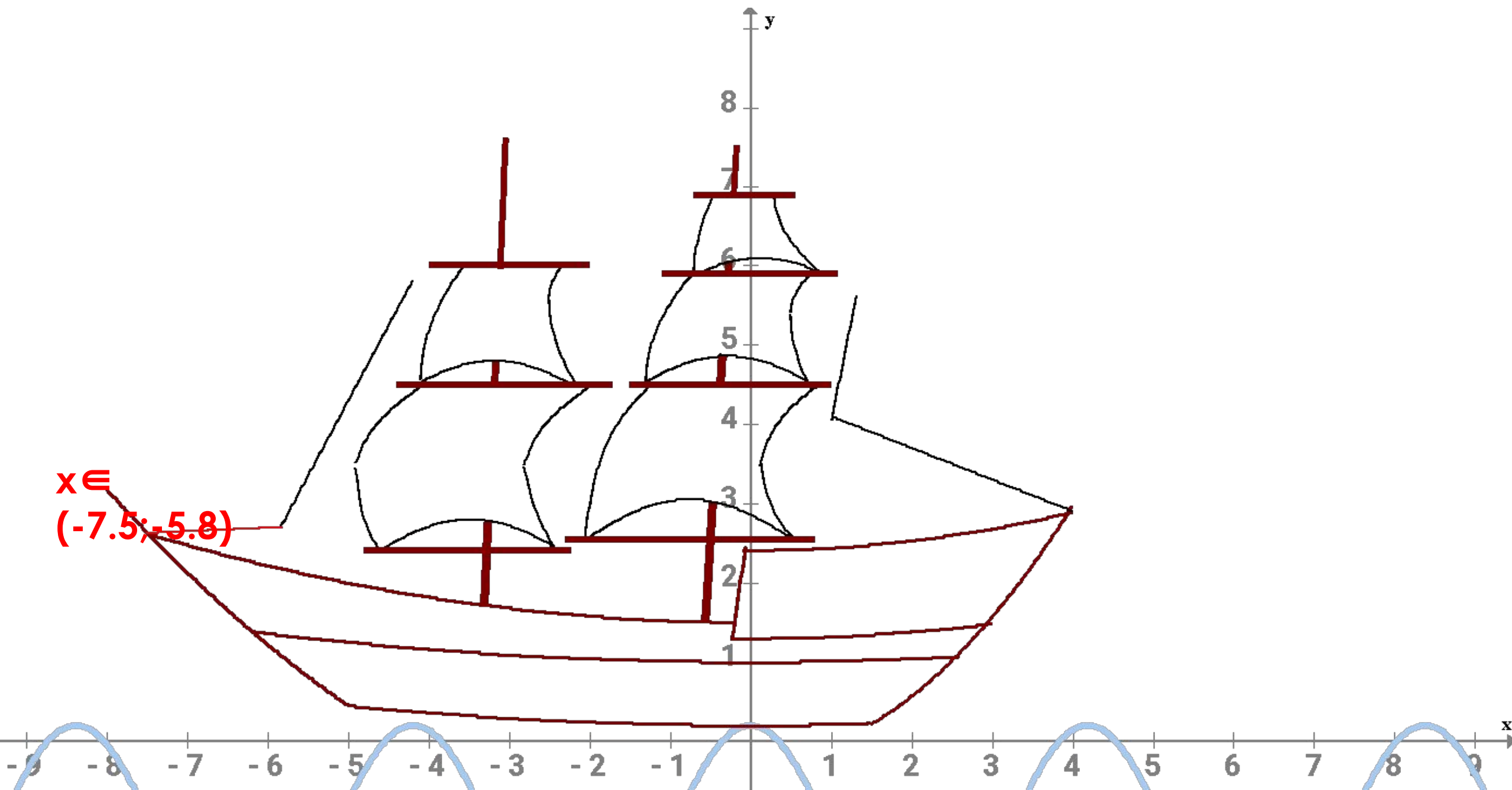


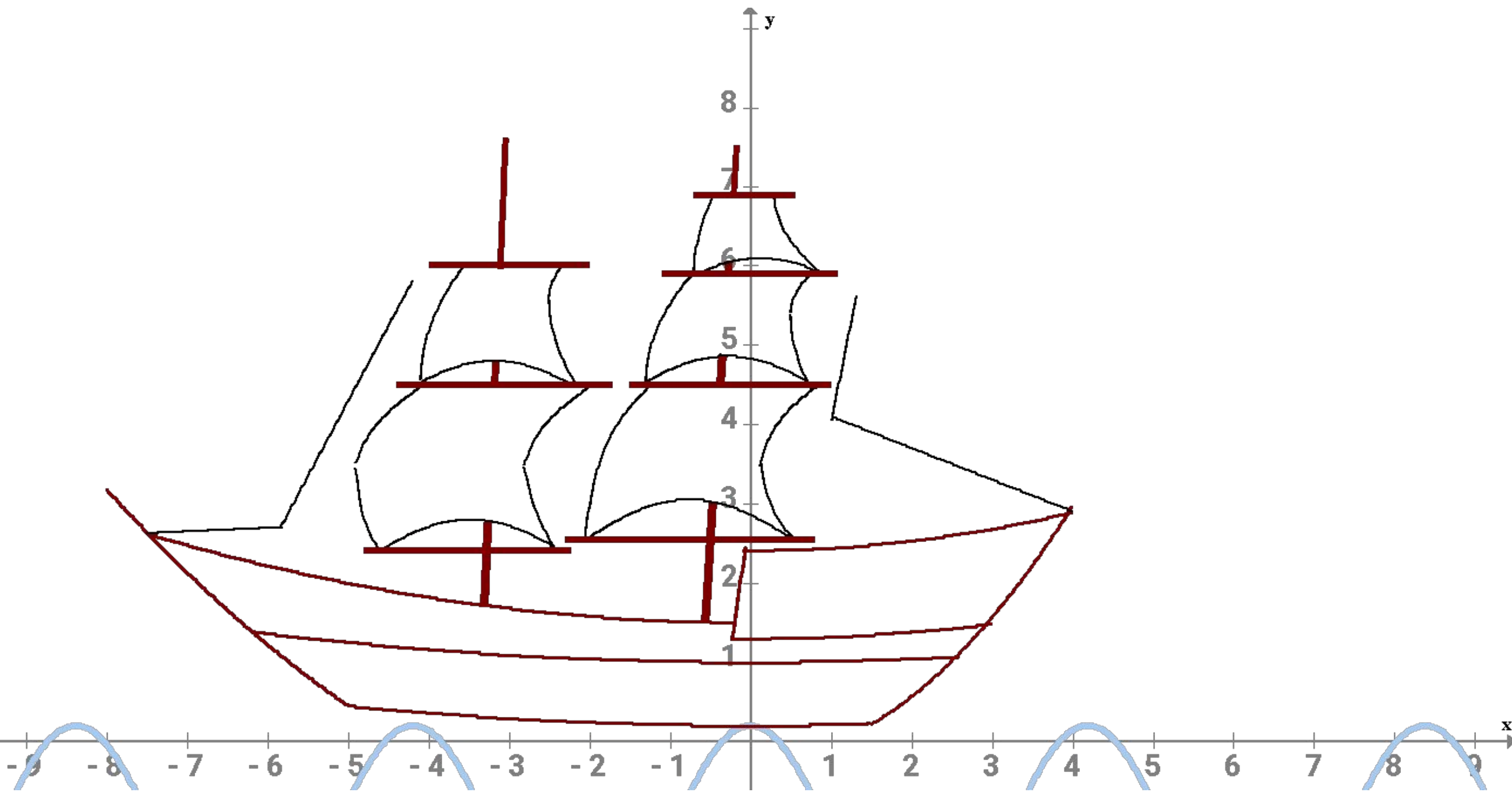






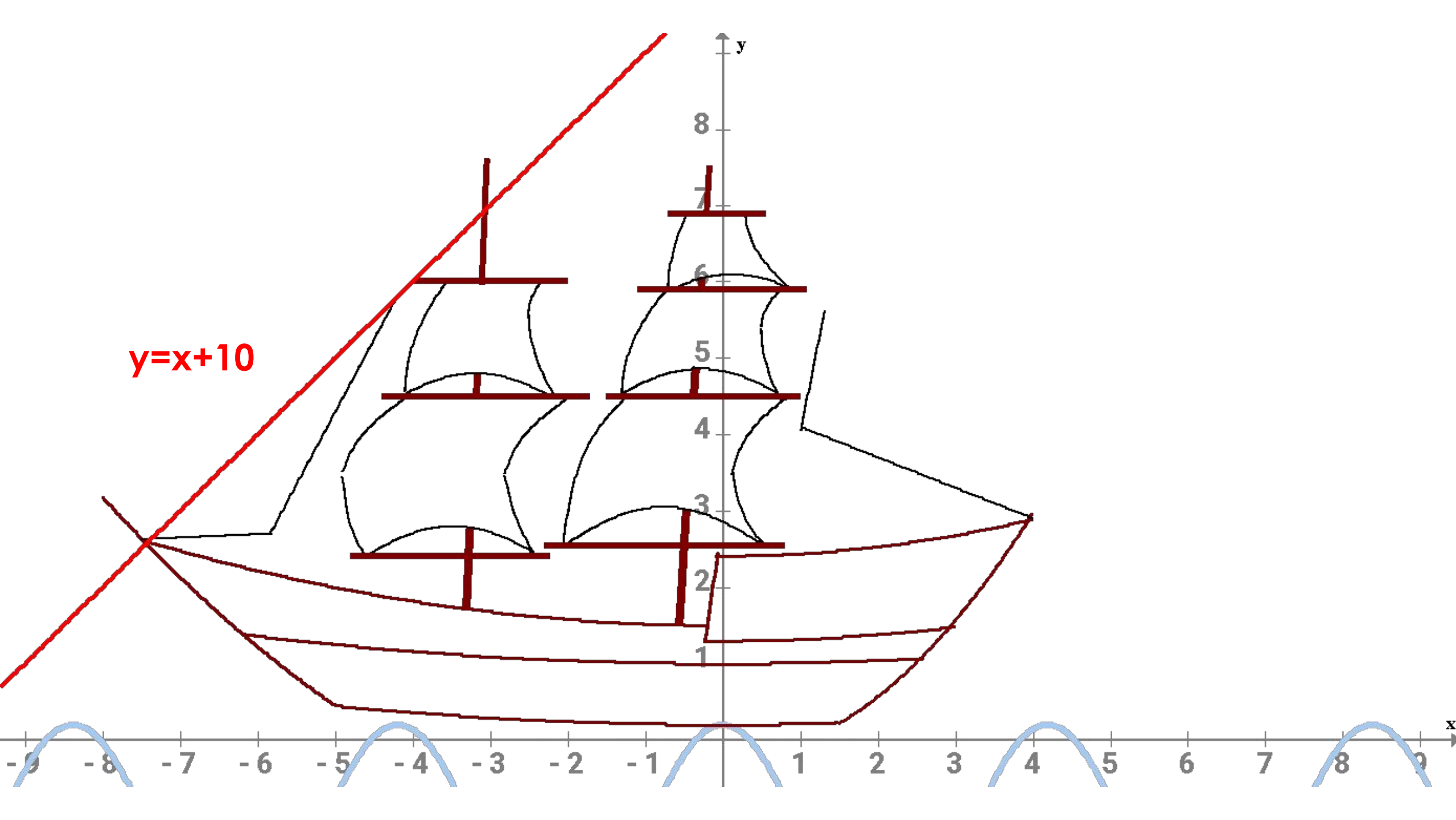


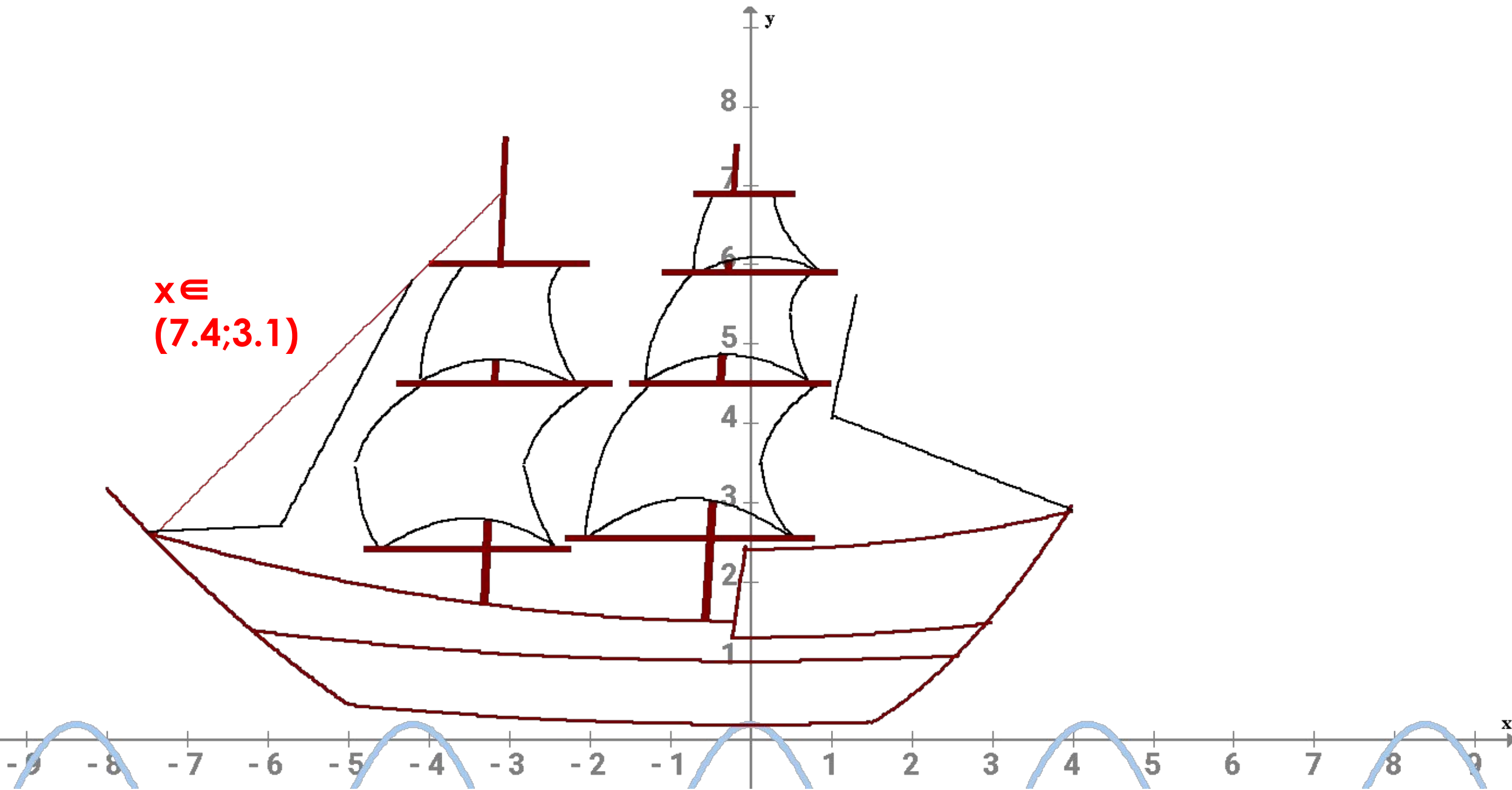


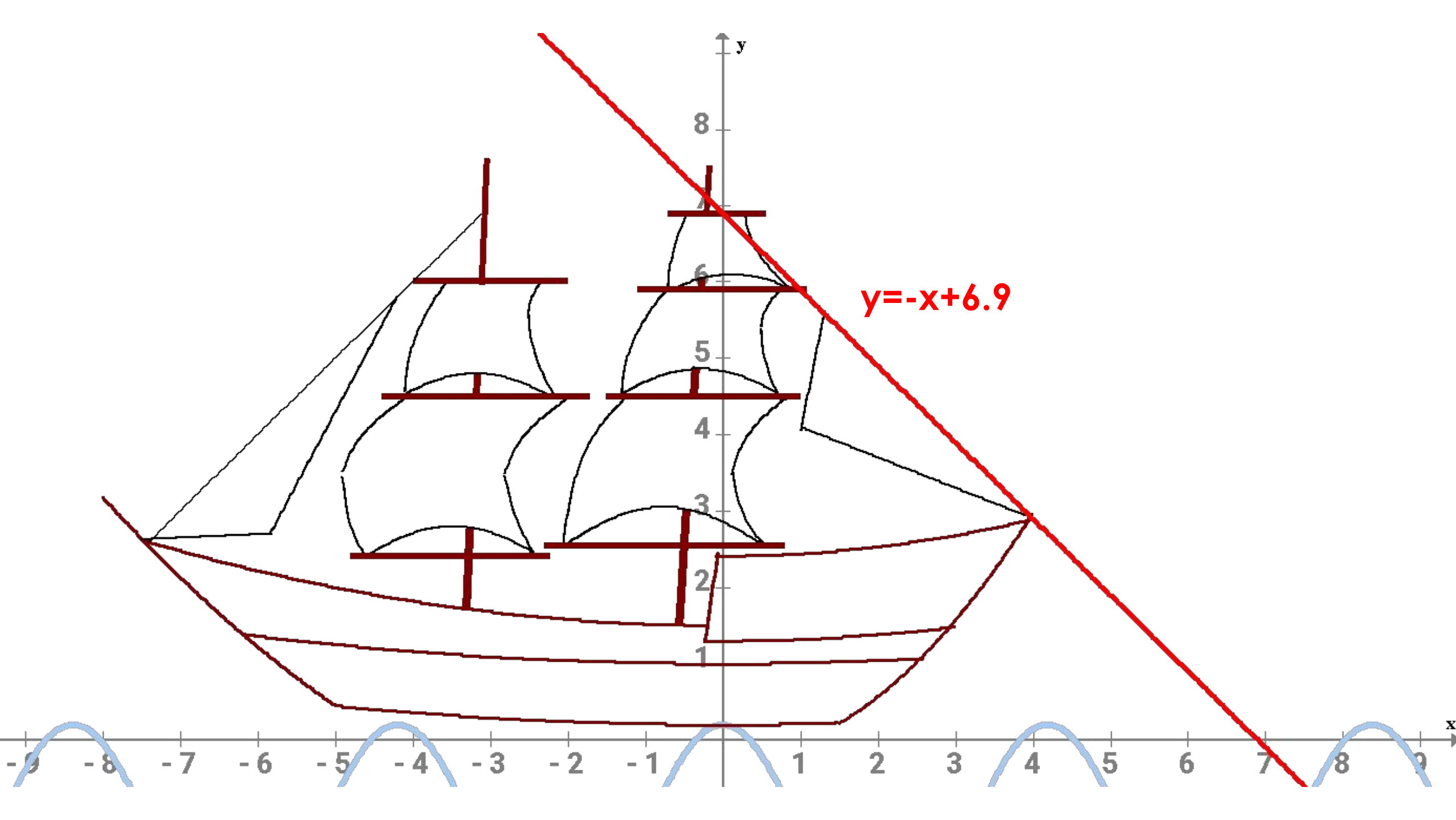


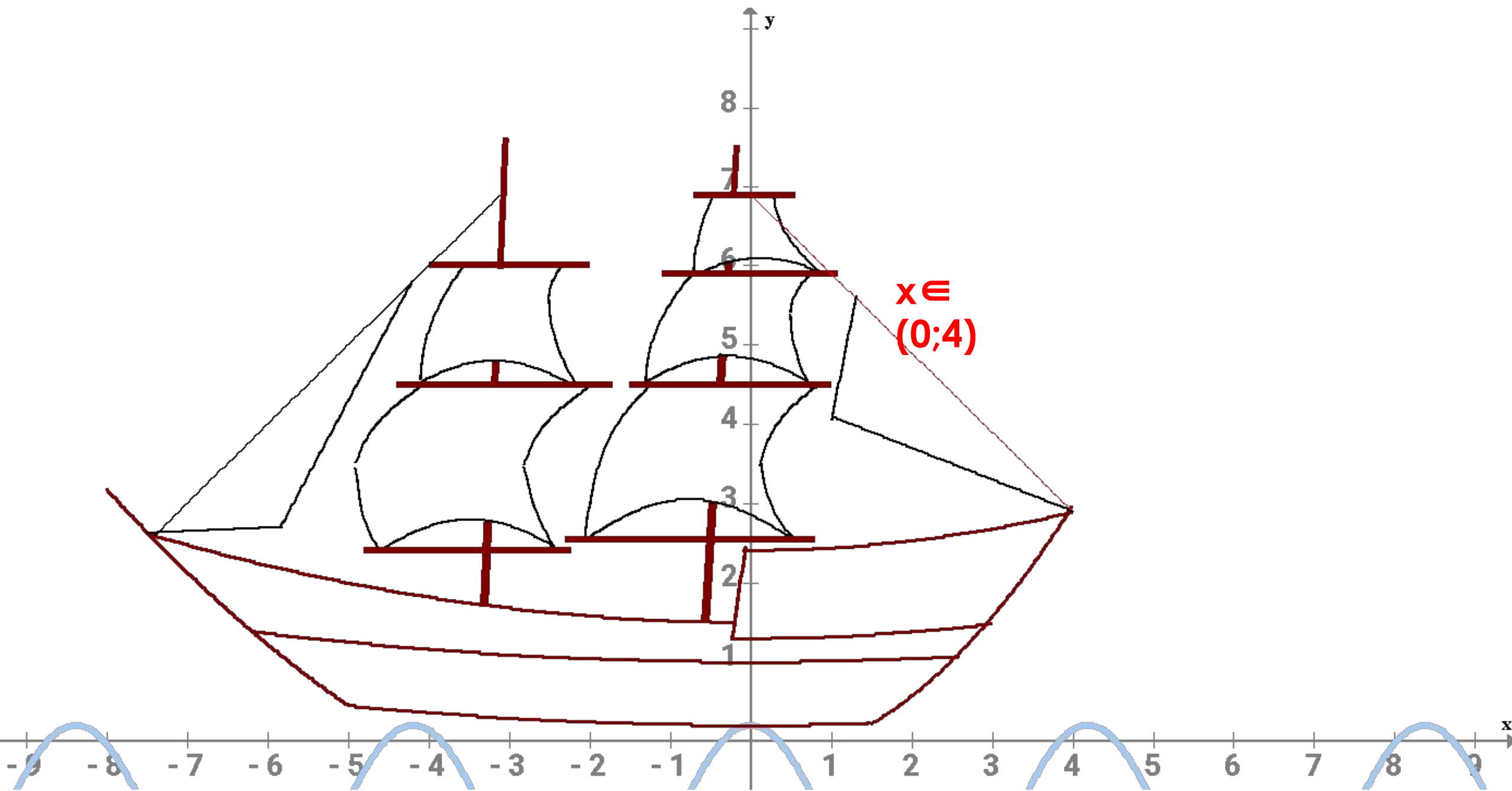
V этап

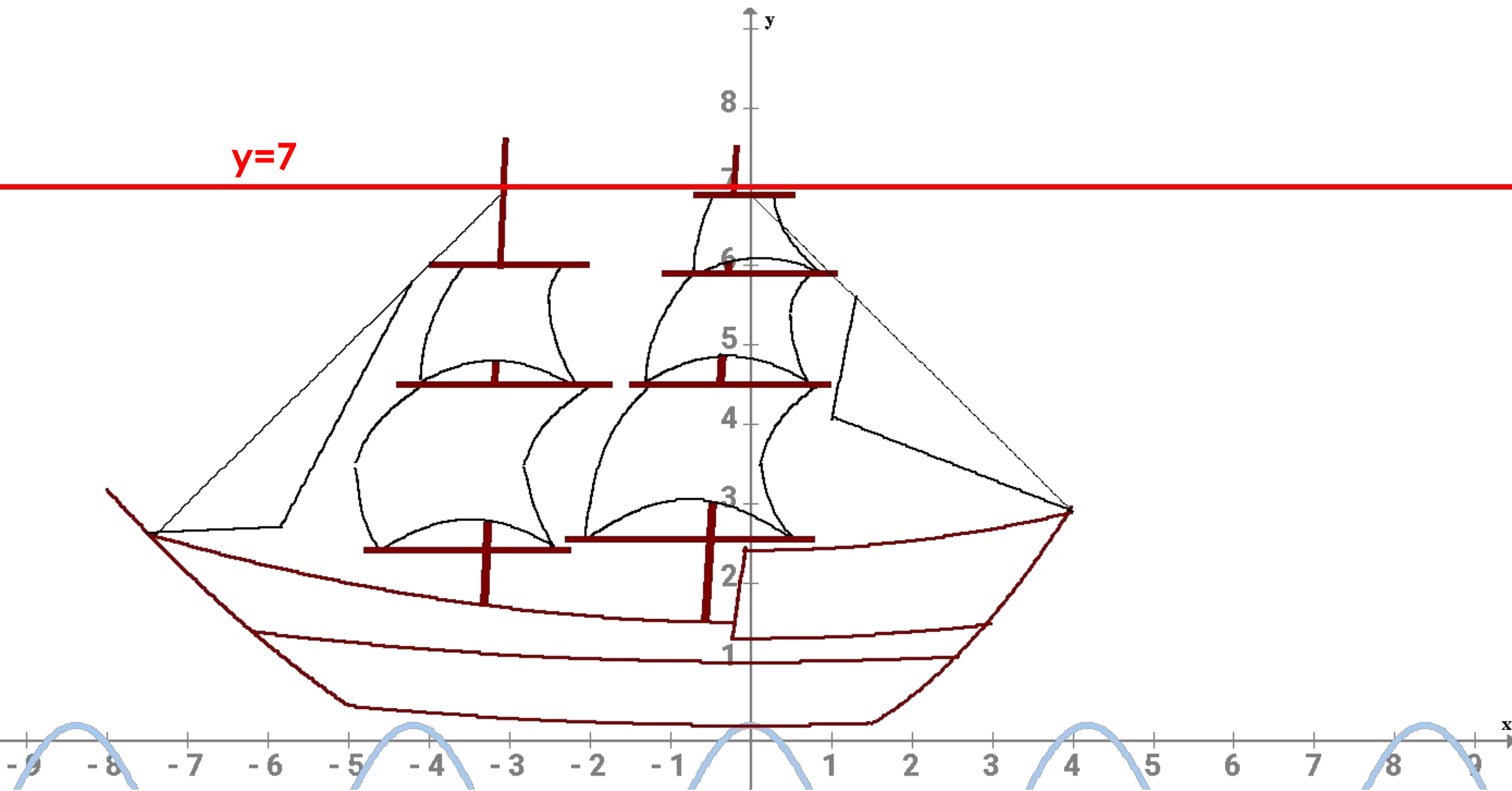
- «Завершение»

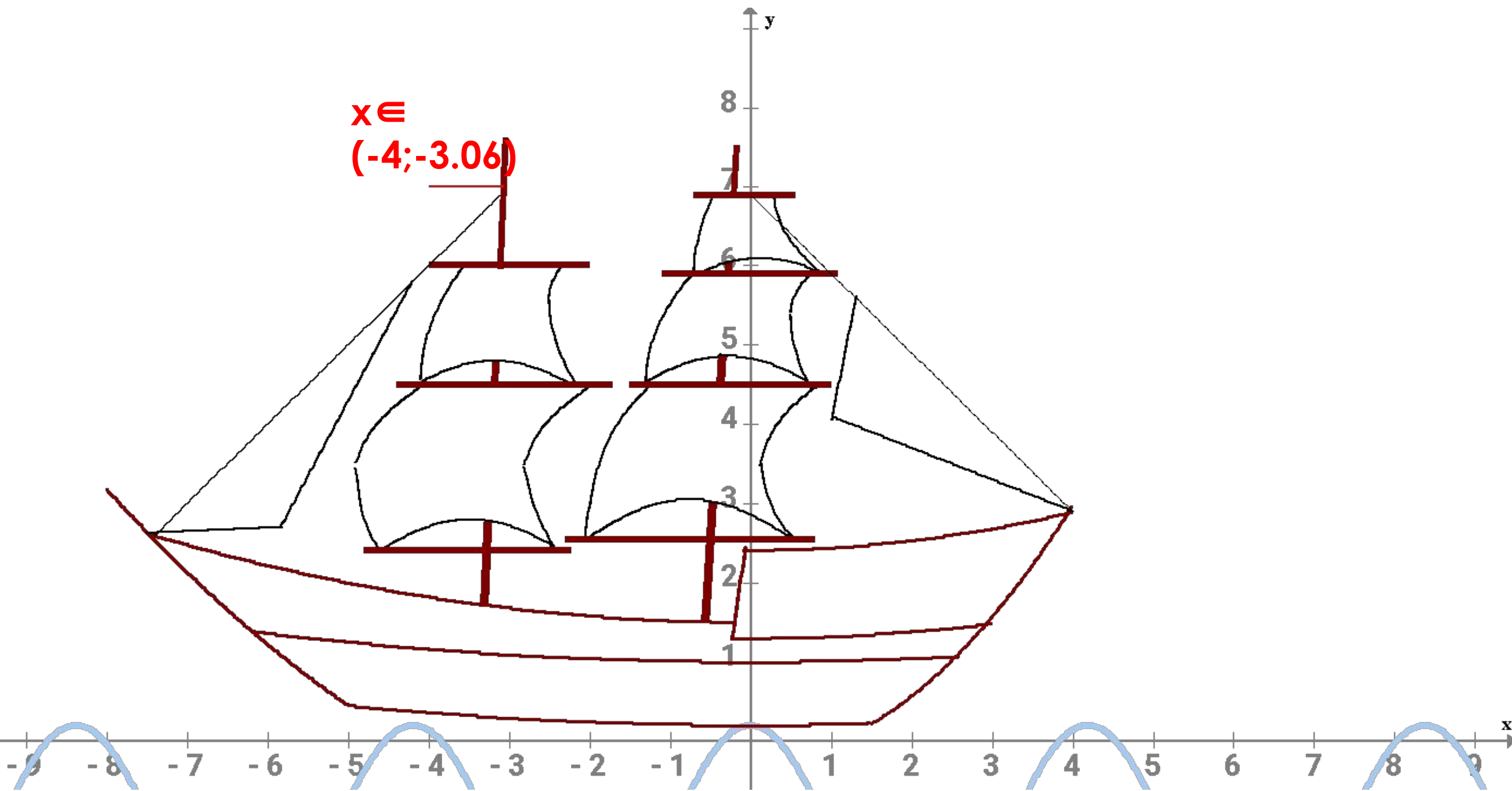




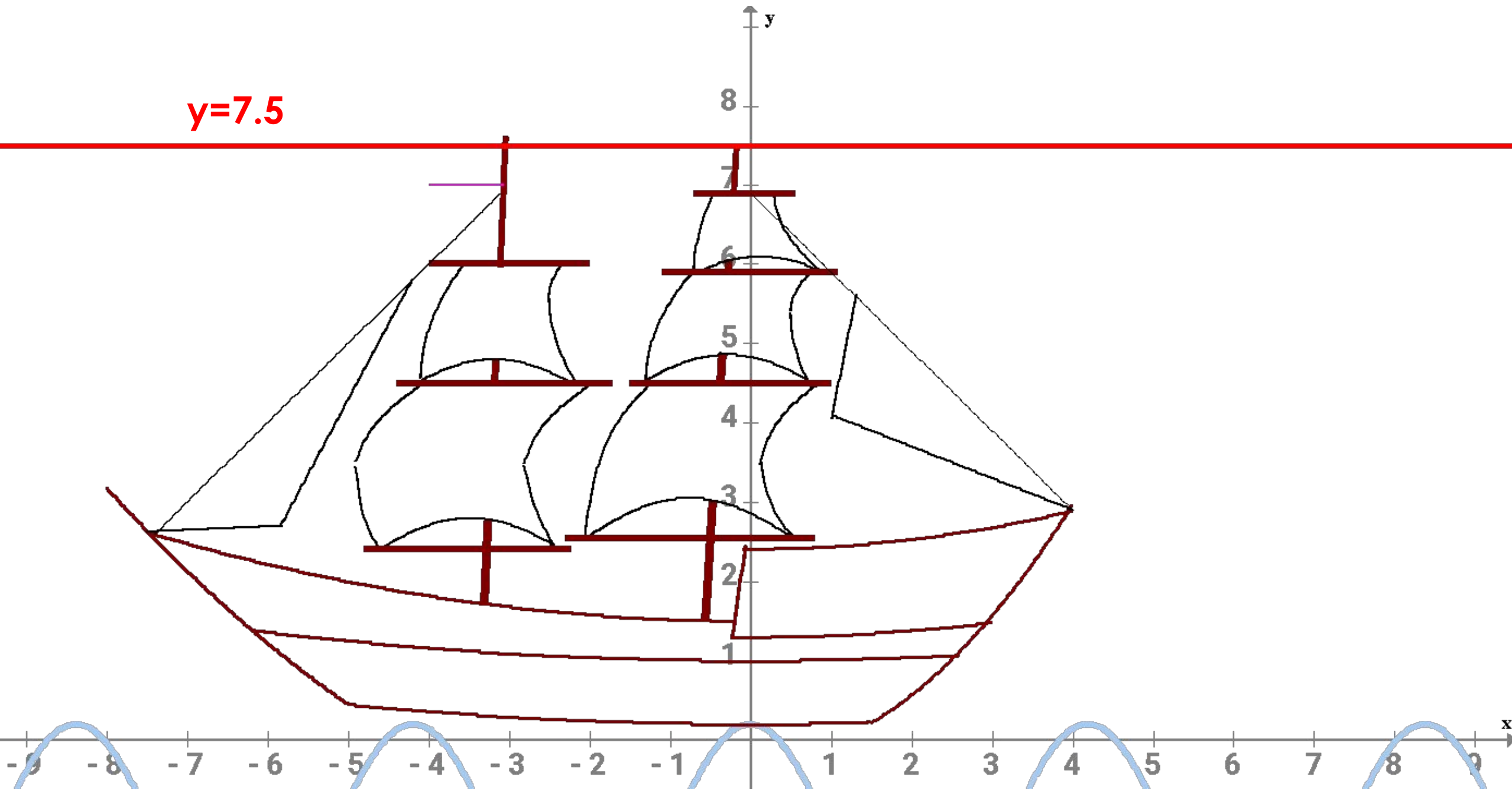


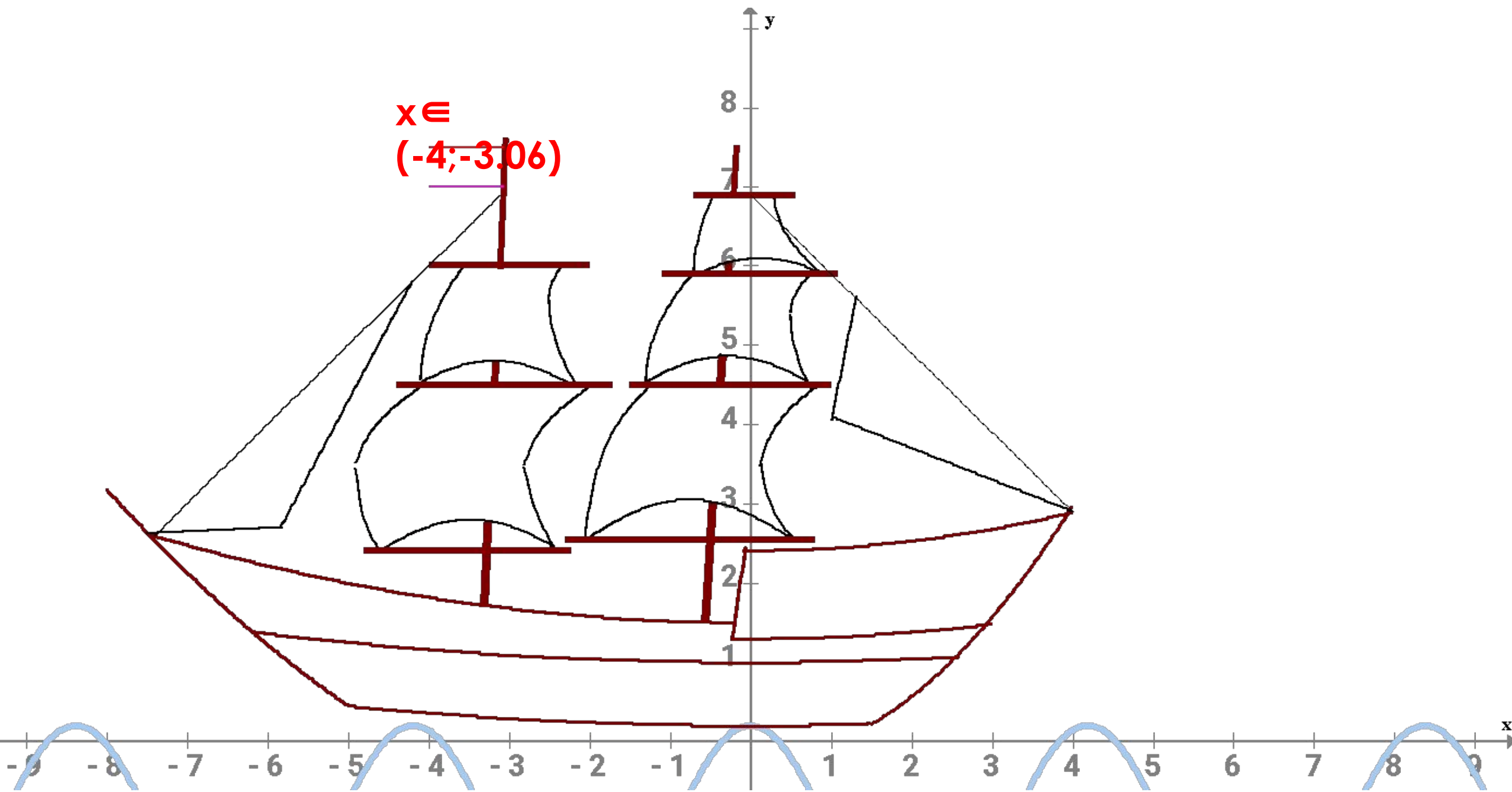


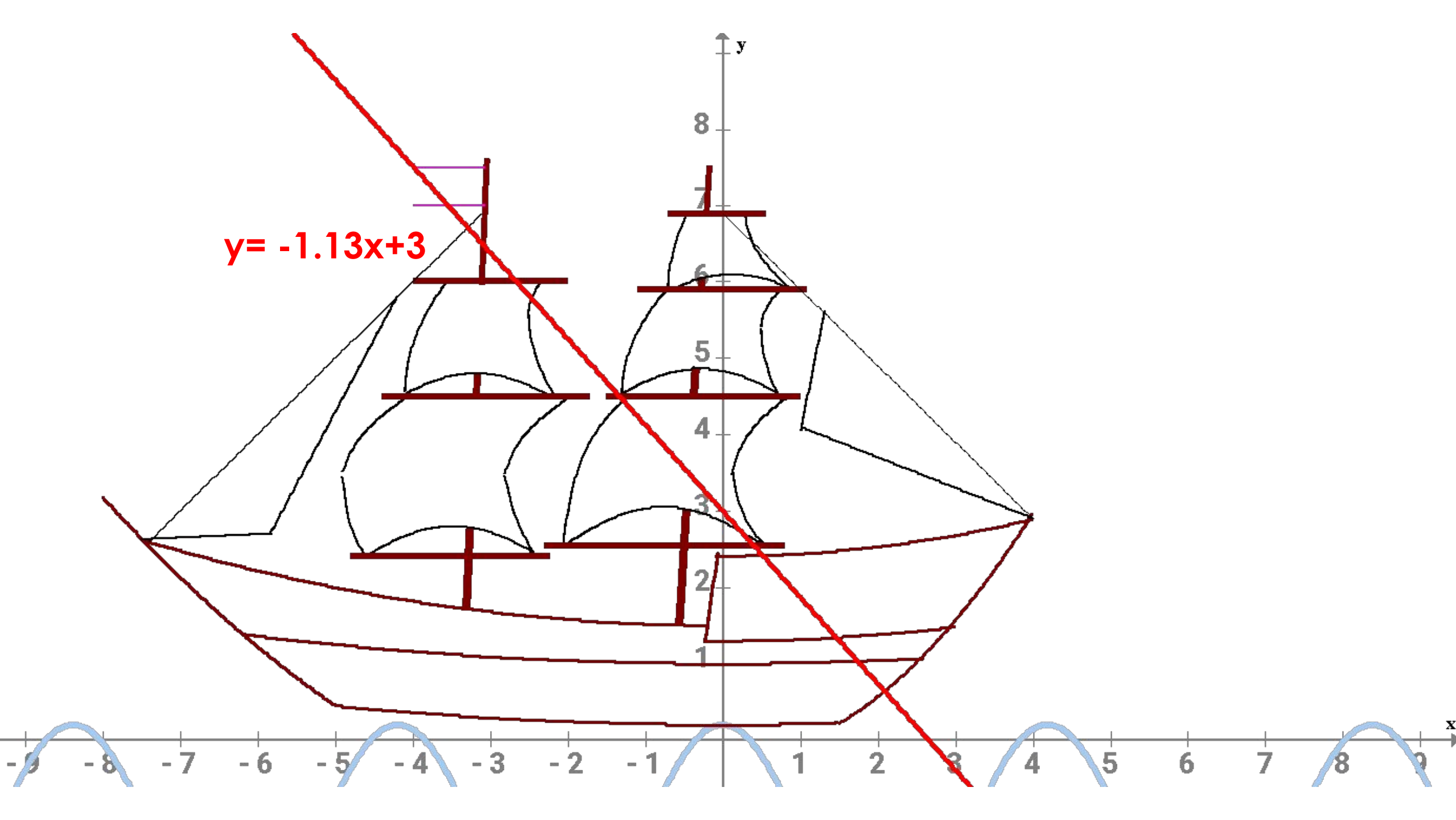




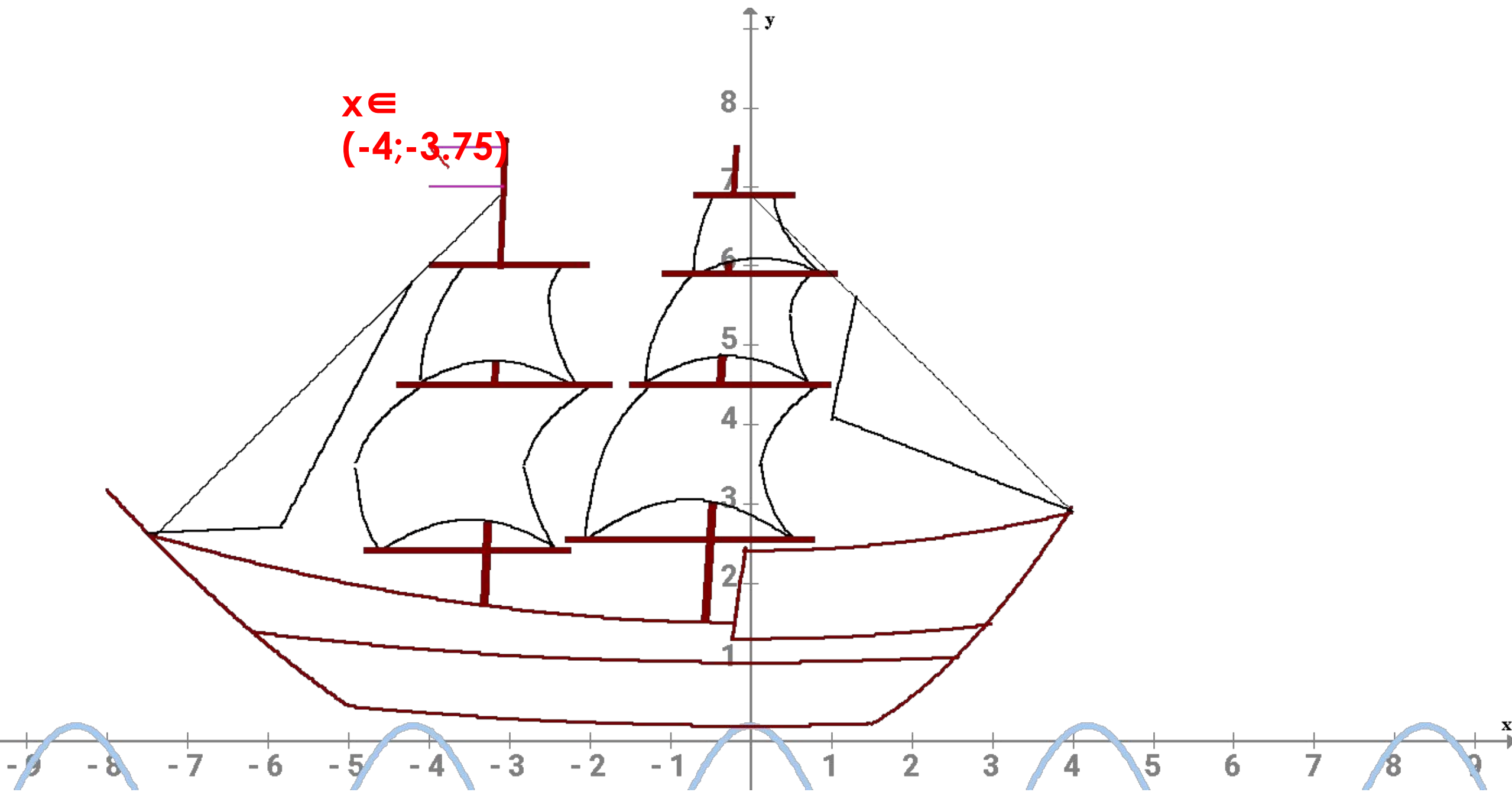
$y=7.5$

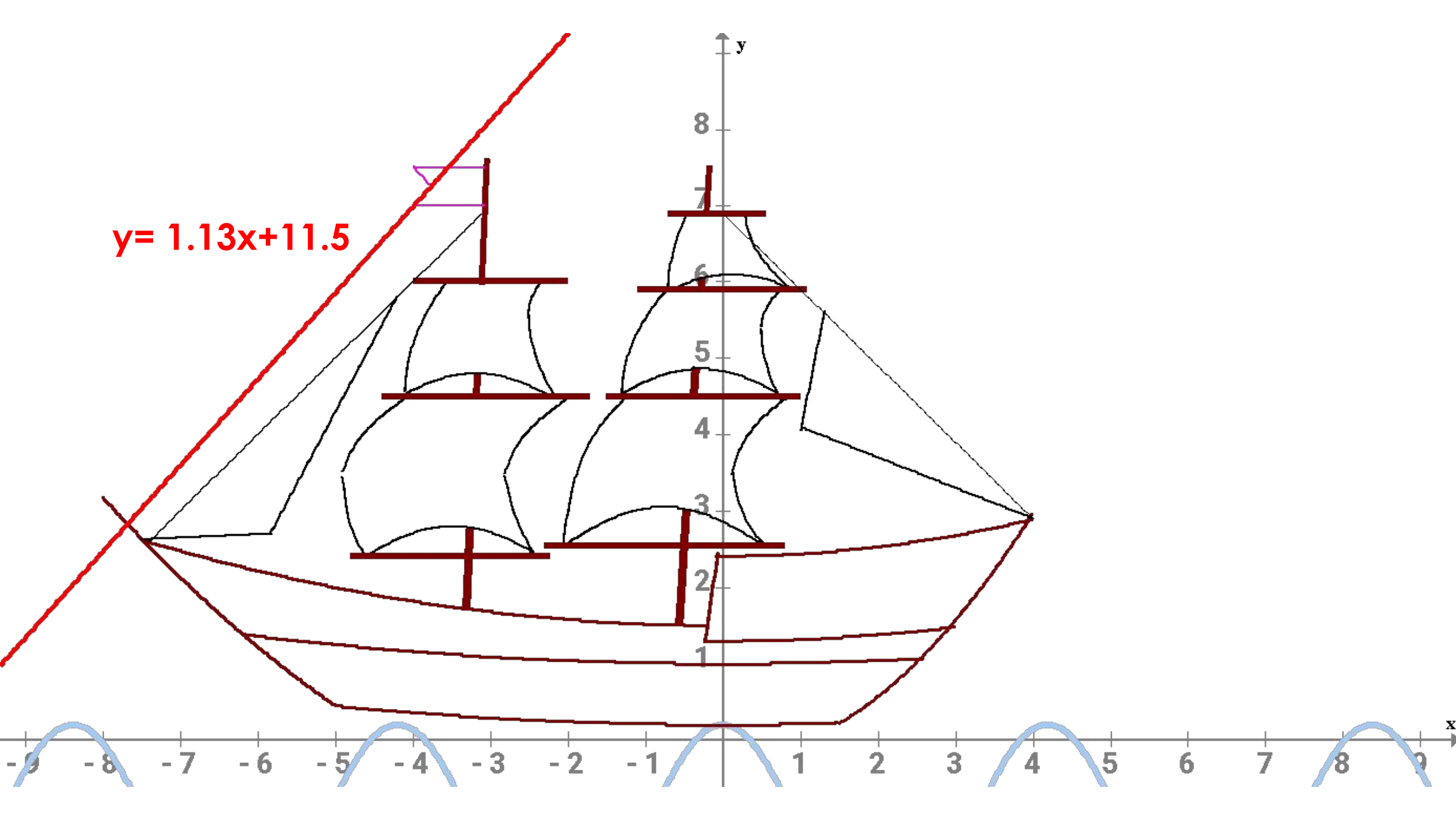


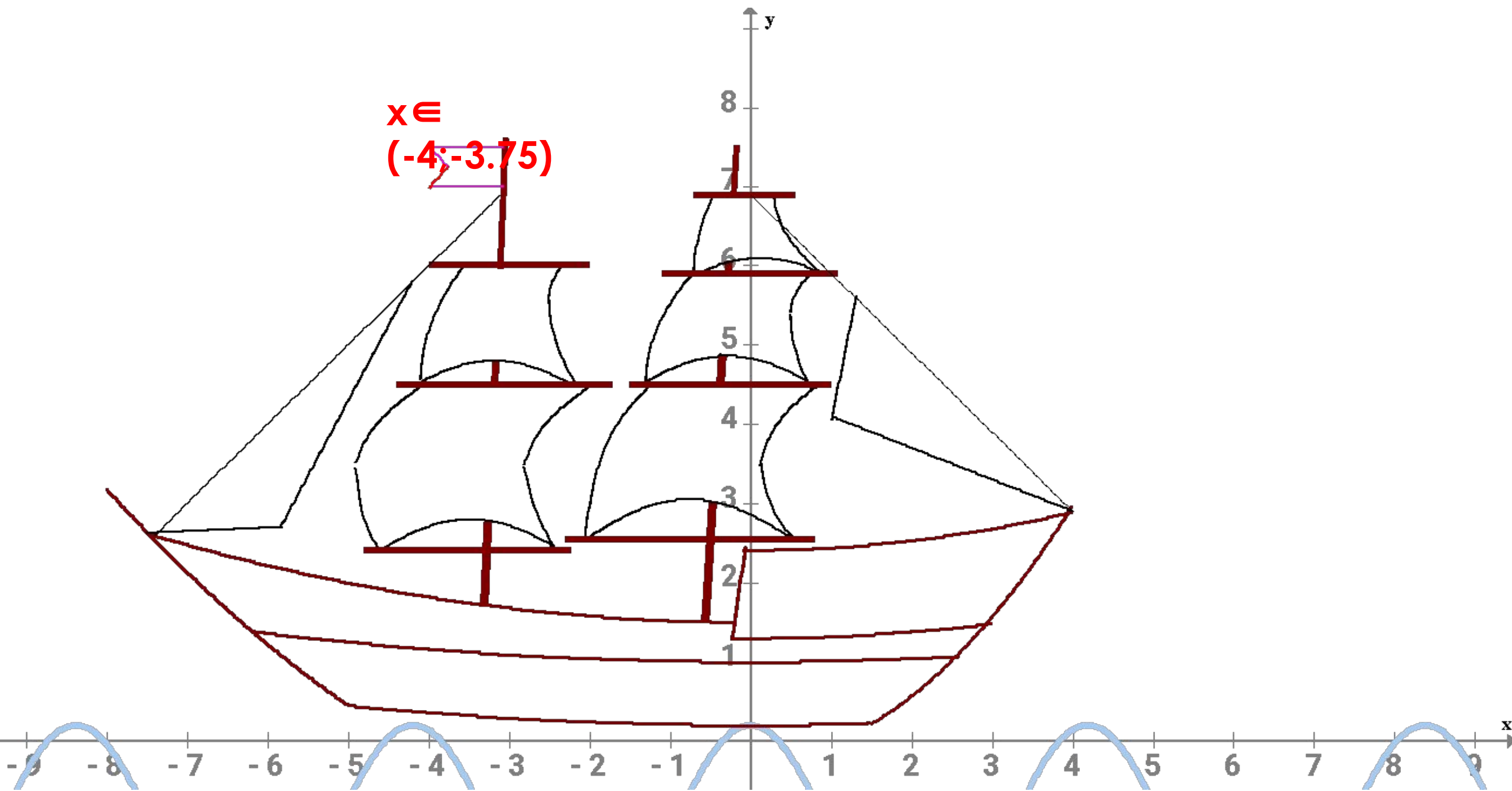


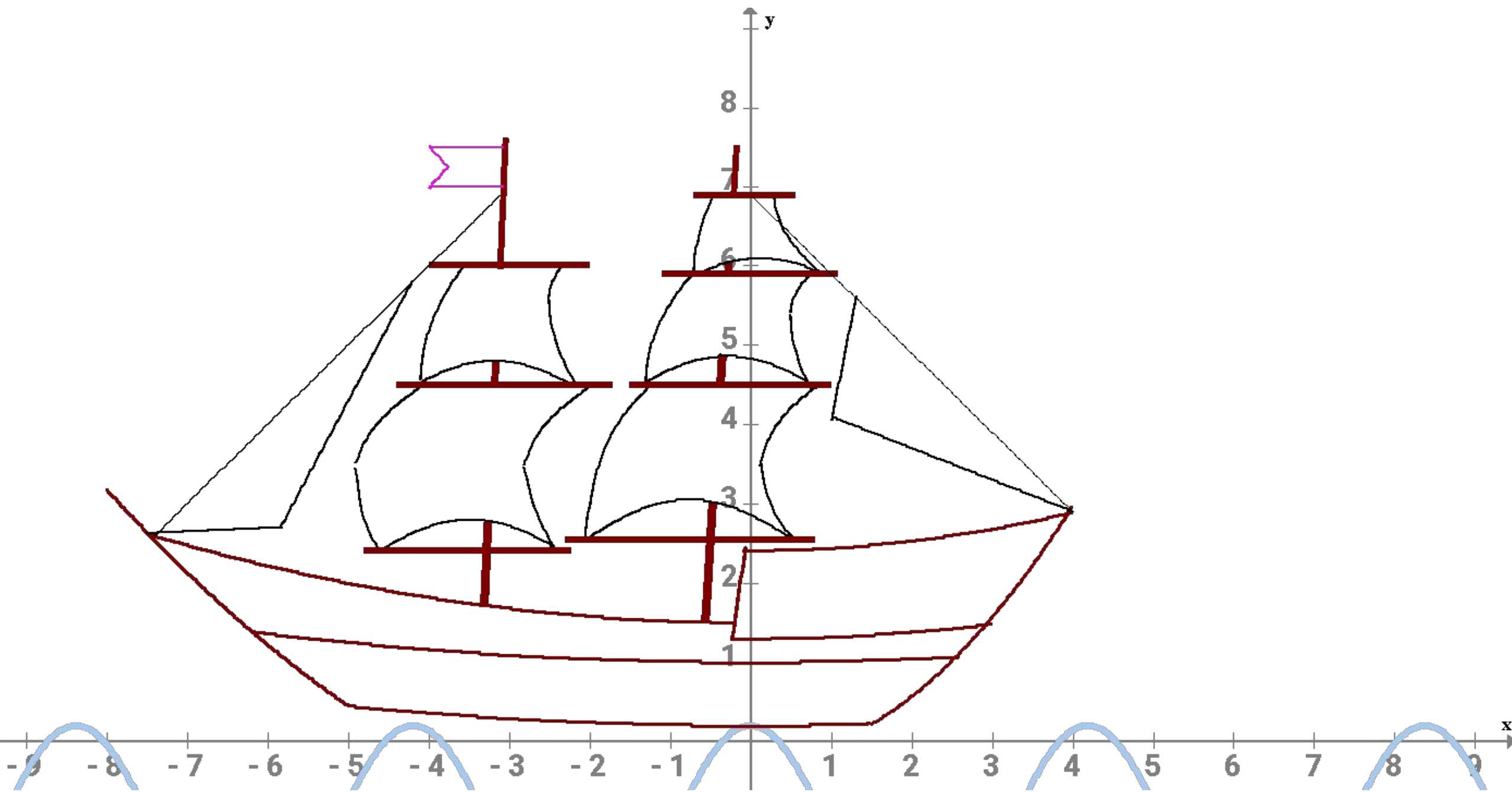


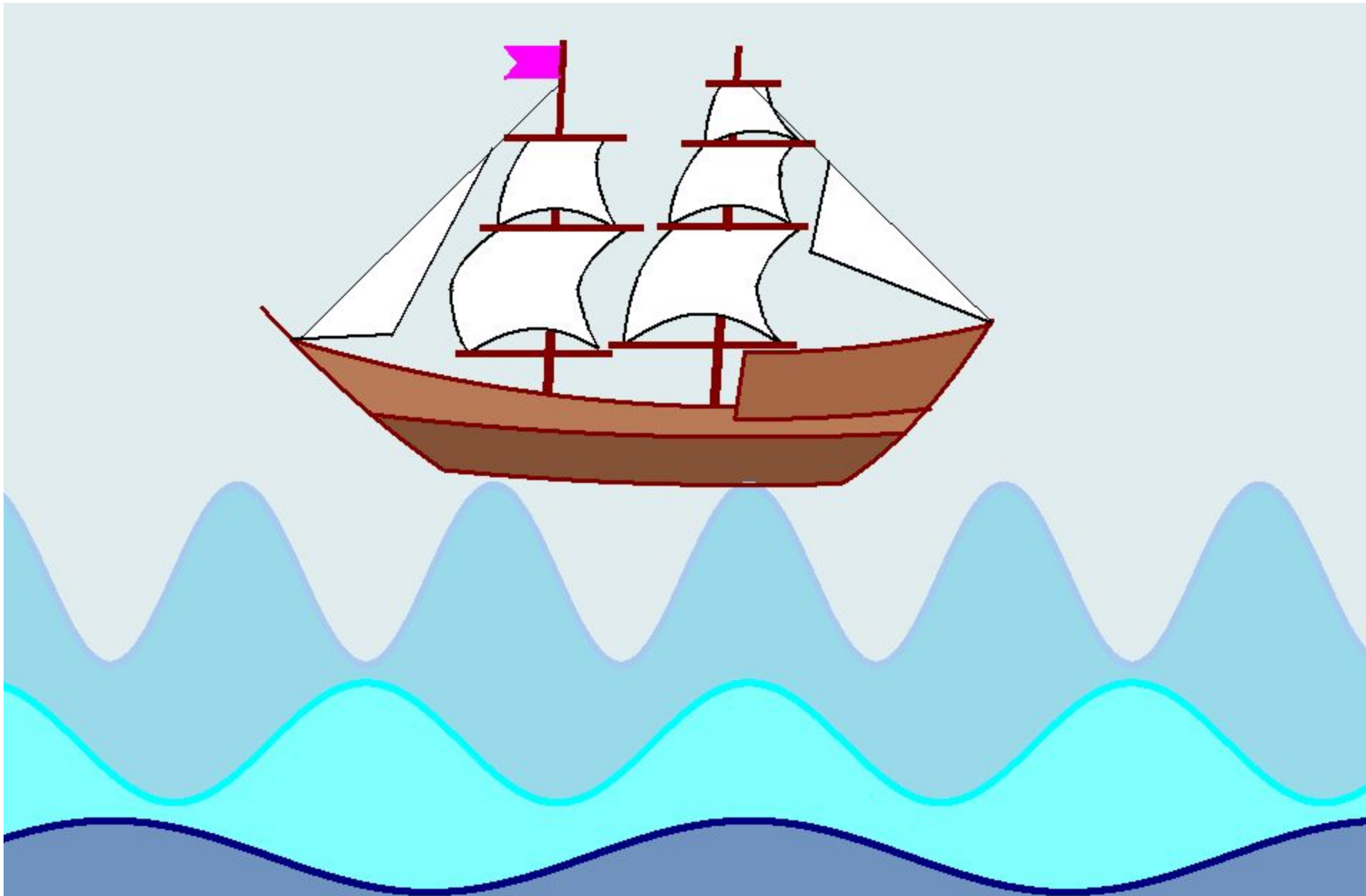
$y = -1.13x + 3$











Вывод: повторила и закрепила знания, полученные в ходе изучения графиков функций и их преобразований.