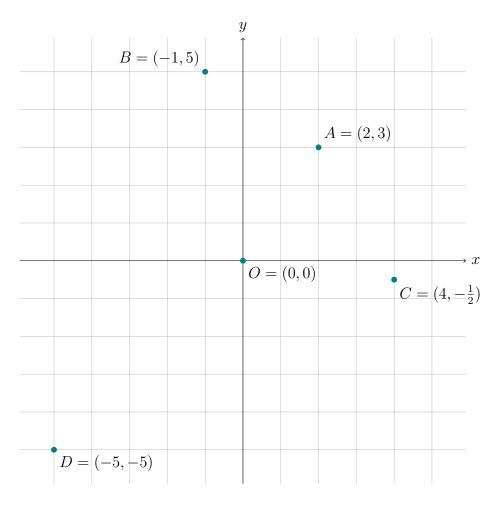
Cartesian Plane: Plotting Points

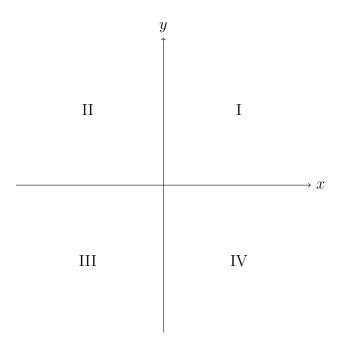
Video companion

1 Introduction

Cartesian plane denoted \mathbb{R}^2



2 Axes and quadrants



$$x-\mathrm{axis} = \left\{ (x,y) \in \mathbb{R}^2 : y = 0 \right\}$$
$$y-\mathrm{axis} = \left\{ (x,y) \in \mathbb{R}^2 : x = 0 \right\}$$

$$\begin{split} & \text{first quadrant} = \left\{ (x,y) \in \mathbb{R}^2 : x > 0, y > 0 \right\} \\ & \text{second quadrant} = \left\{ (x,y) \in \mathbb{R}^2 : x < 0, y > 0 \right\} \\ & \text{third quadrant} = \left\{ (x,y) \in \mathbb{R}^2 : \right. \\ & \text{fourth quadrant} = \left\{ (x,y) \in \mathbb{R}^2 : \right. \\ \end{aligned}$$

3 Real-world example

Table of height and weight:

	h (cm)	w (kg)
A	177	88.3
В	164	74.7

