

1.4] Domain and Range Part One

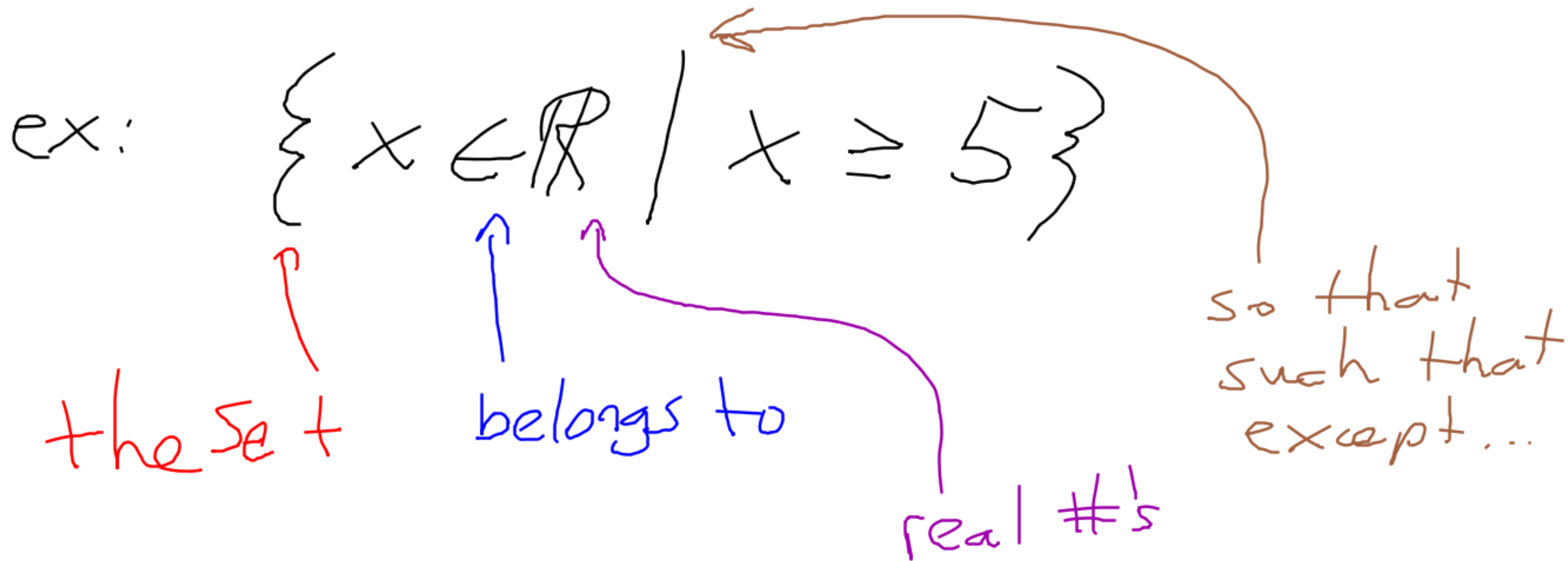
Domain: the set of all possible x -values

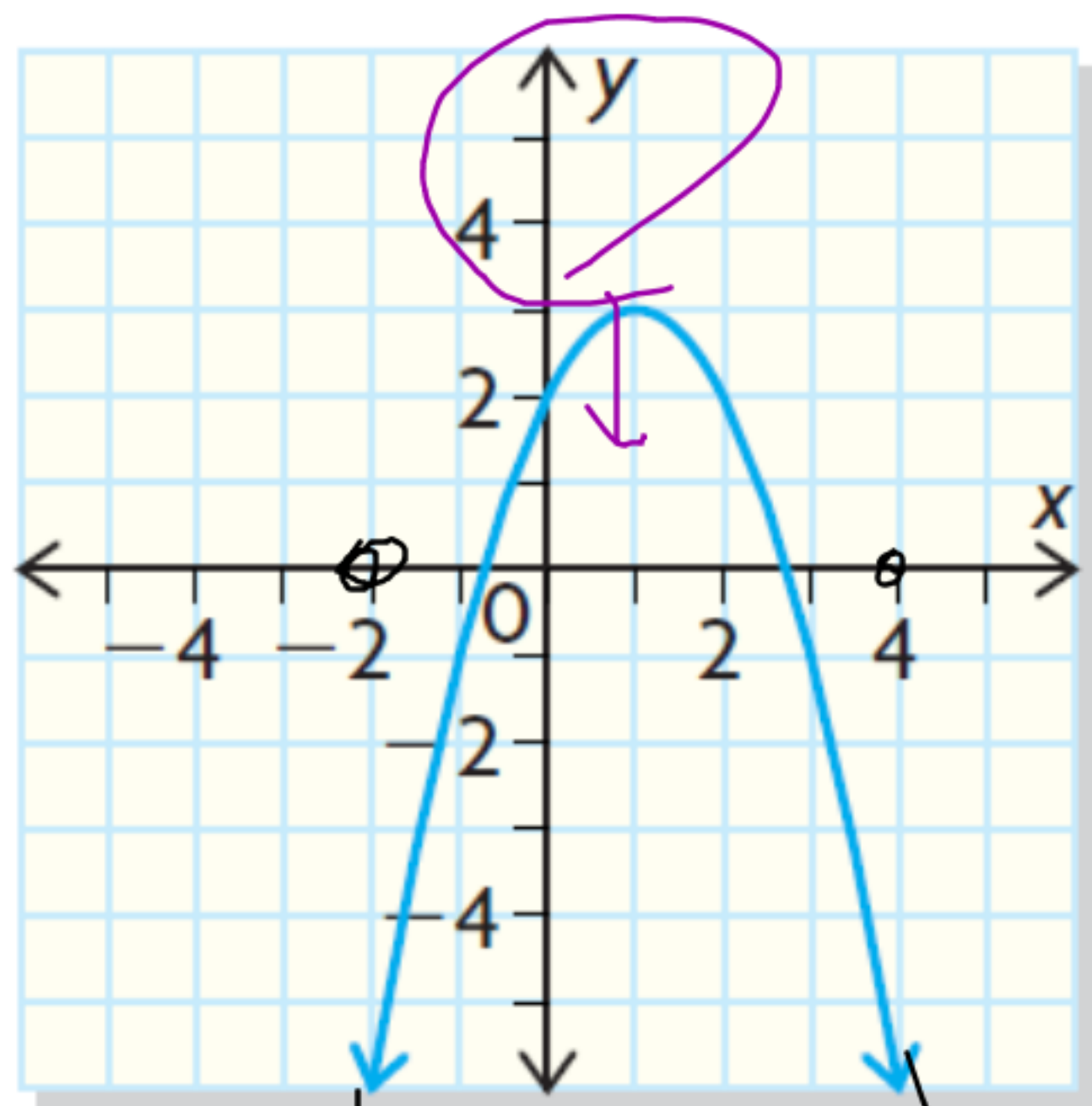
↳ restrictions

Range: the set of all possible y -values

↳ values that cannot be produced.

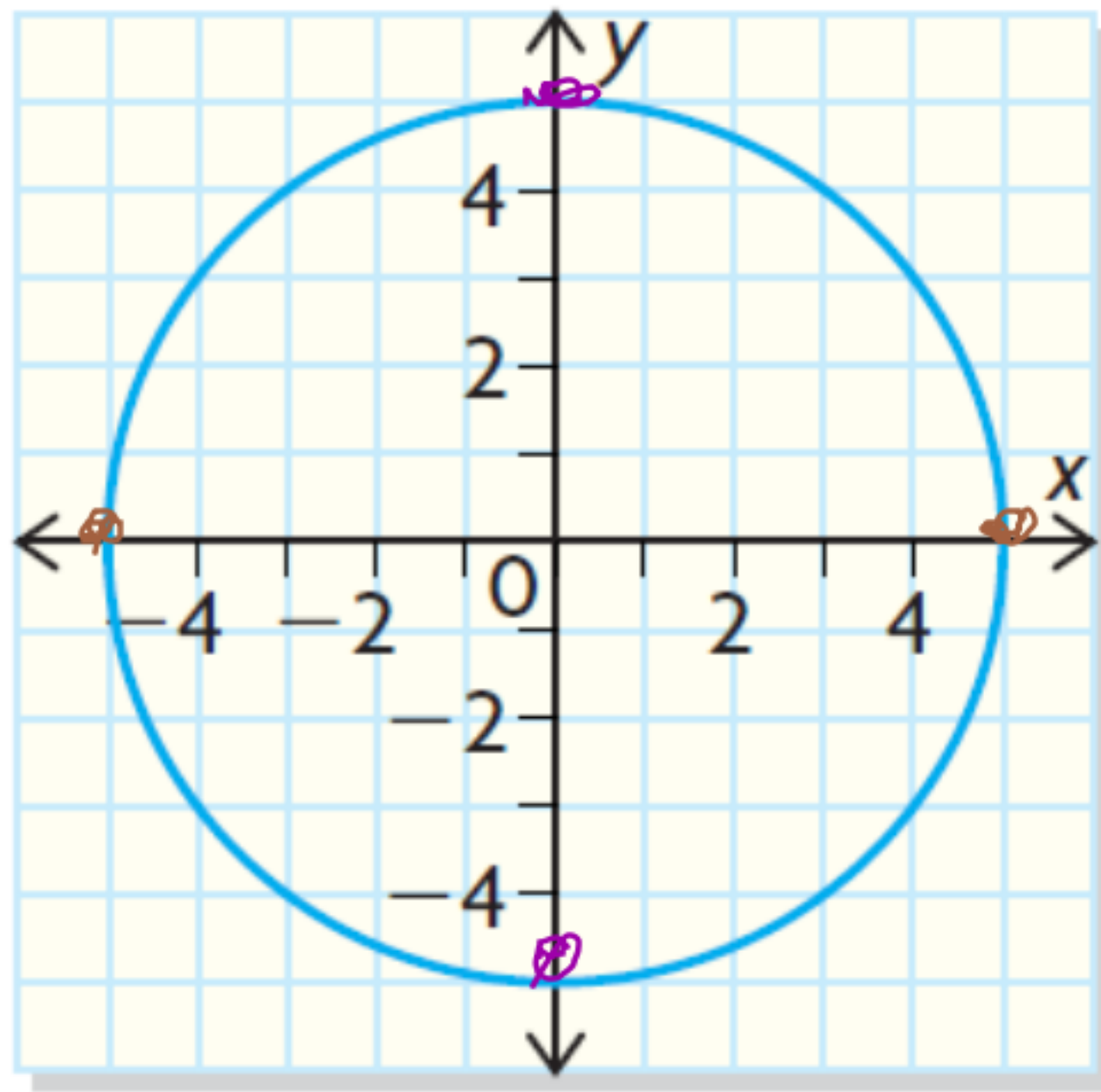
Fancy Shmaney Notation





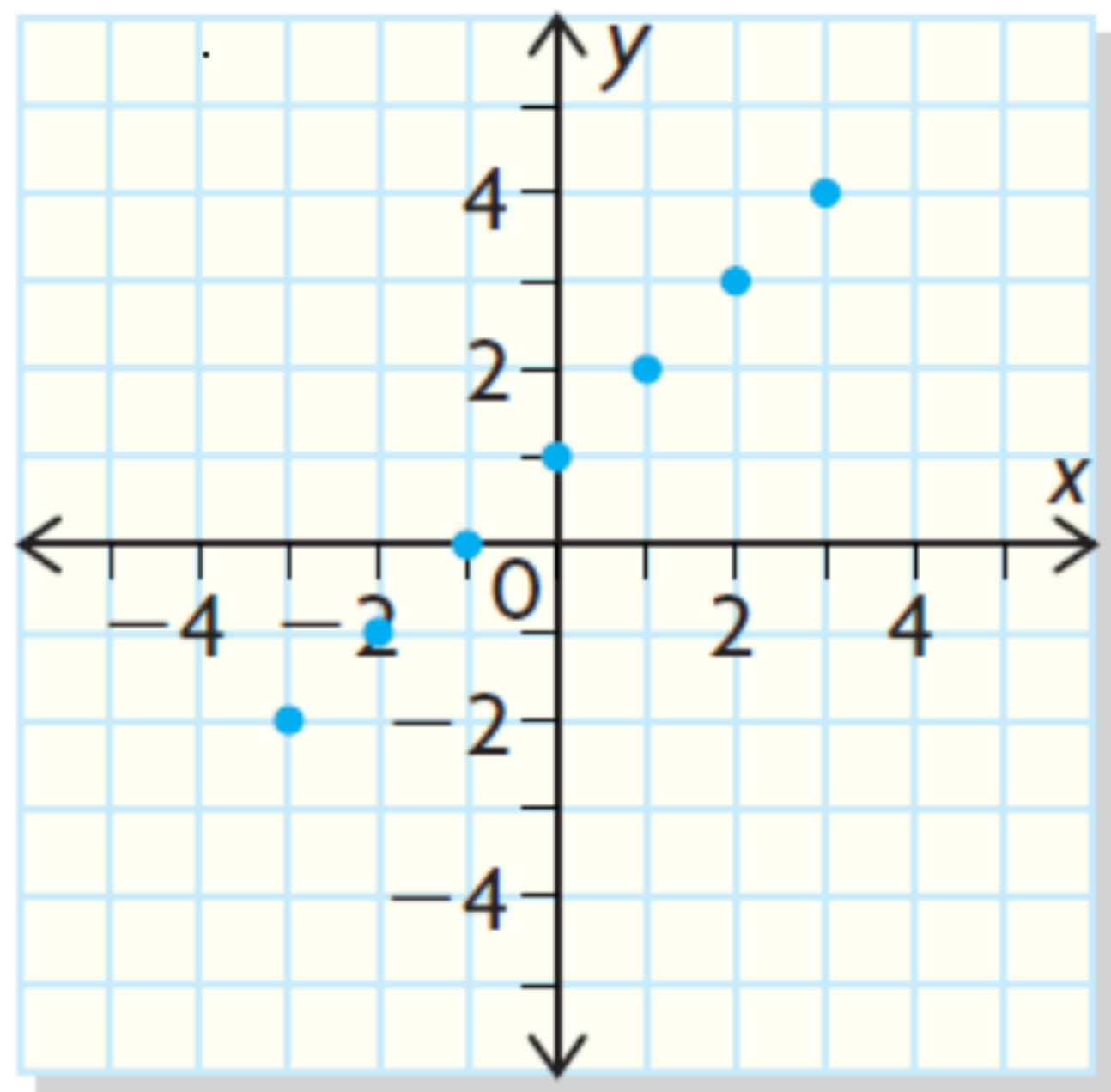
$D: \{x \in \mathbb{R}\}$ 'anything'

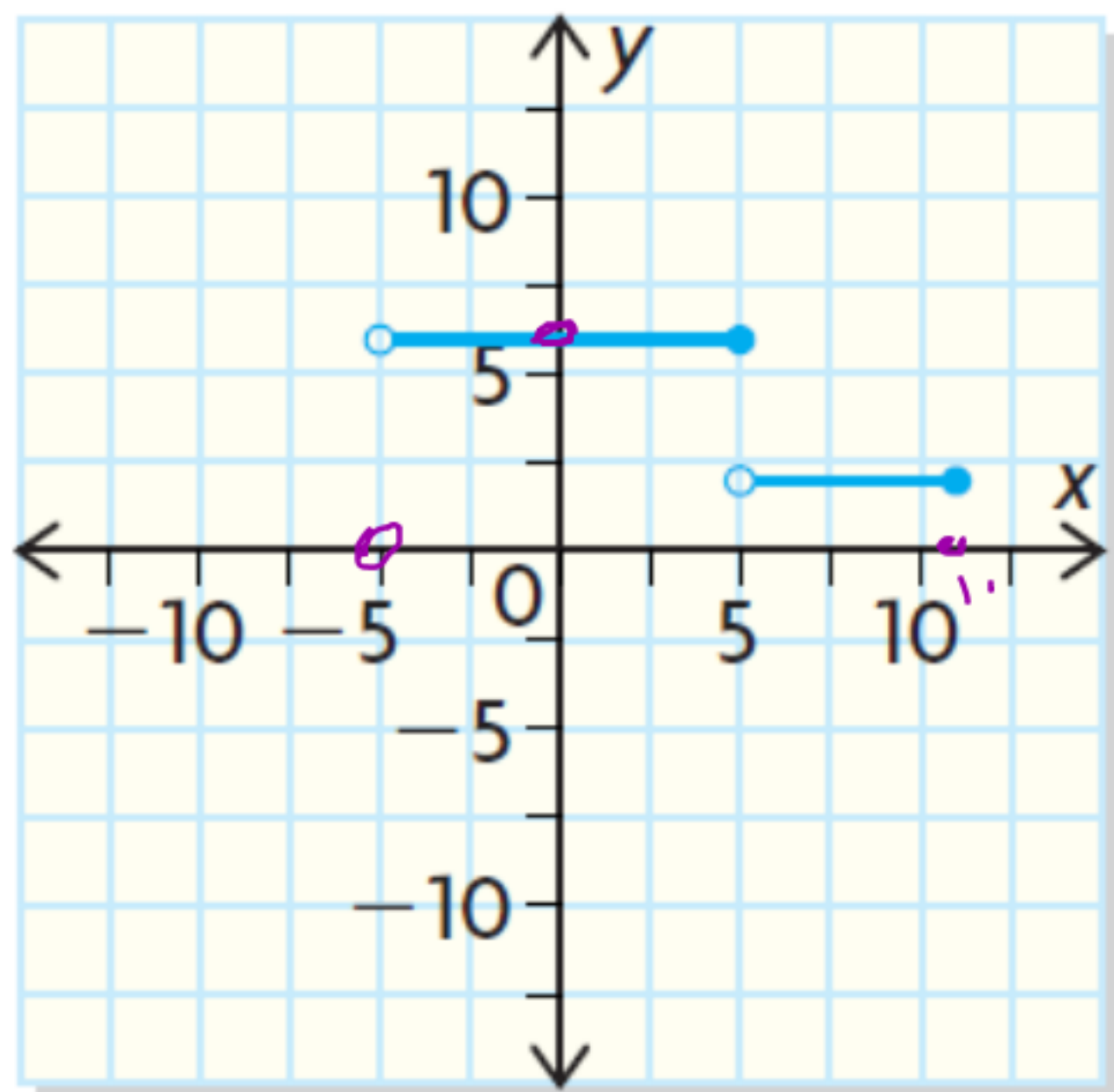
R or $\{y \in \mathbb{R} \mid y \leq 3\}$



$$D: \{x \in \mathbb{R} \mid -5 \leq x \leq 5\}$$

$$R: \{y \in \mathbb{R} \mid -5 \leq y \leq 5\}$$





$$D: \{ x \in \mathbb{R} \mid -5 < x \leq 11 \}$$

$$R: \{ 2, 6 \}$$