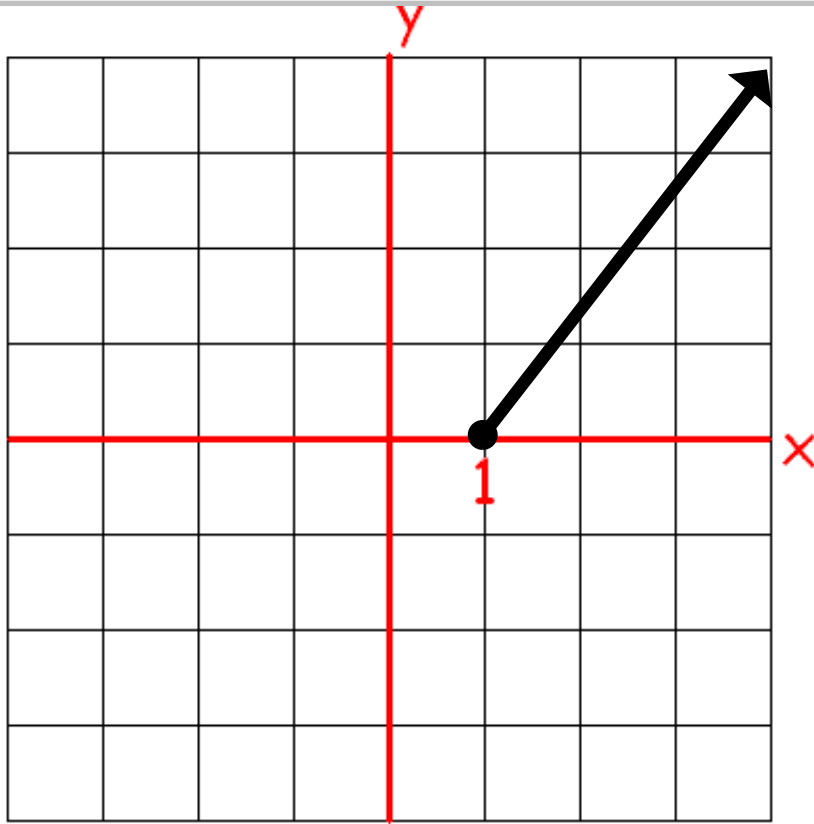
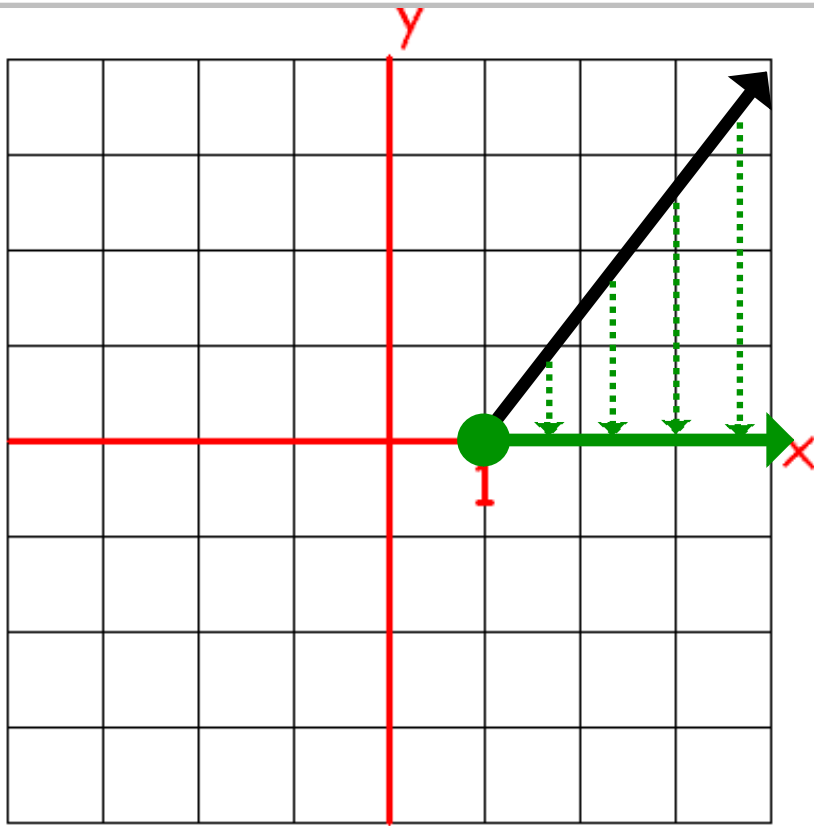


Directions Please write the the **domain** and **range** of the following functions in interval notation.

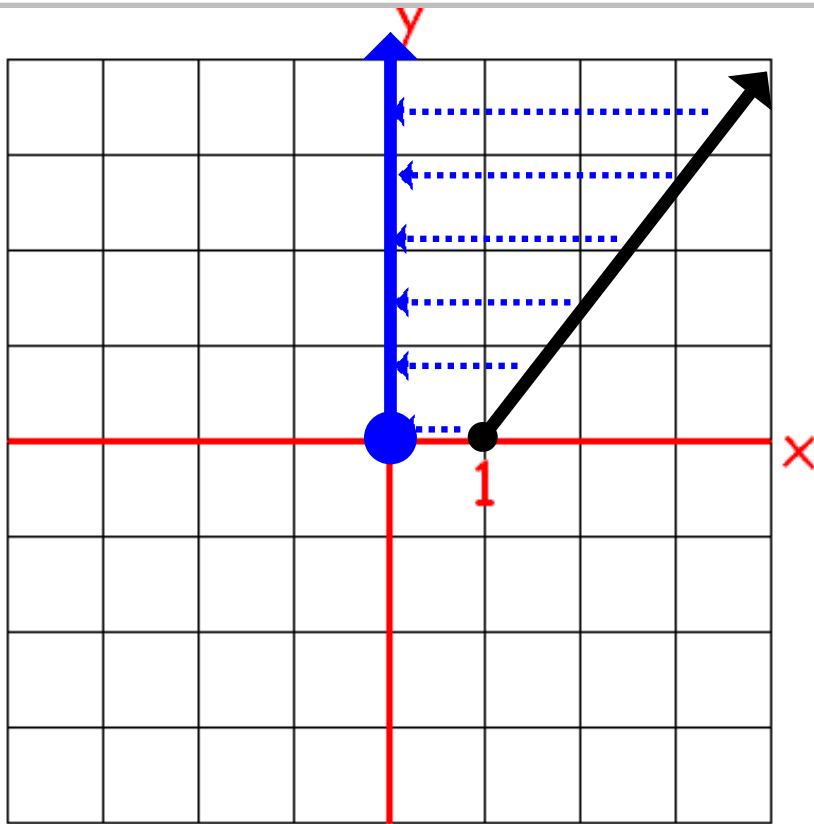
Question 1





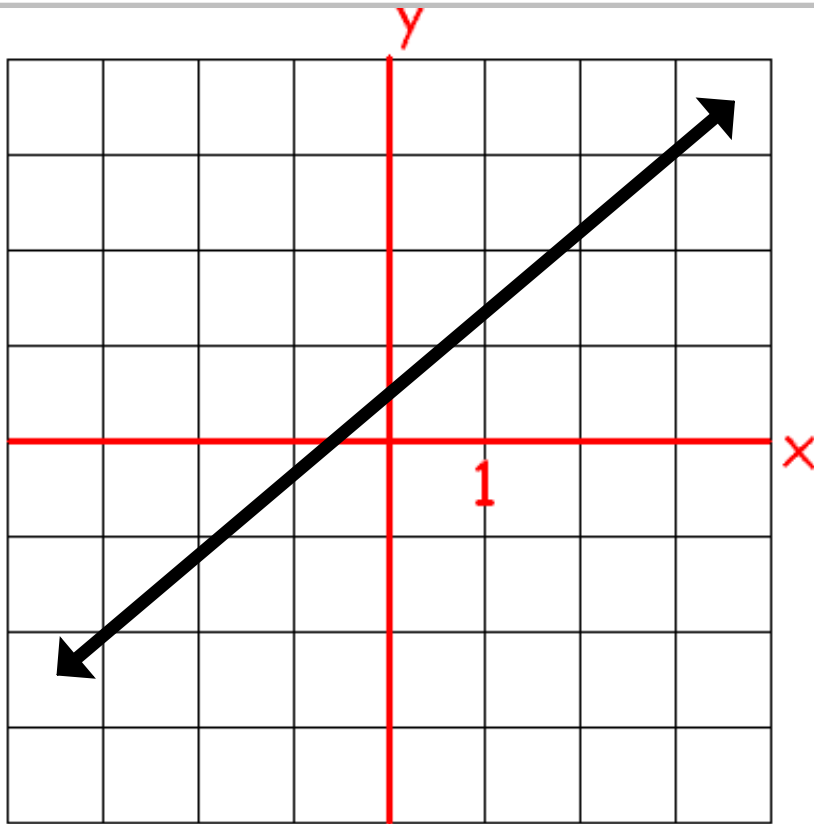
Answer 1-Domain

$$x=[1,\text{inf})$$

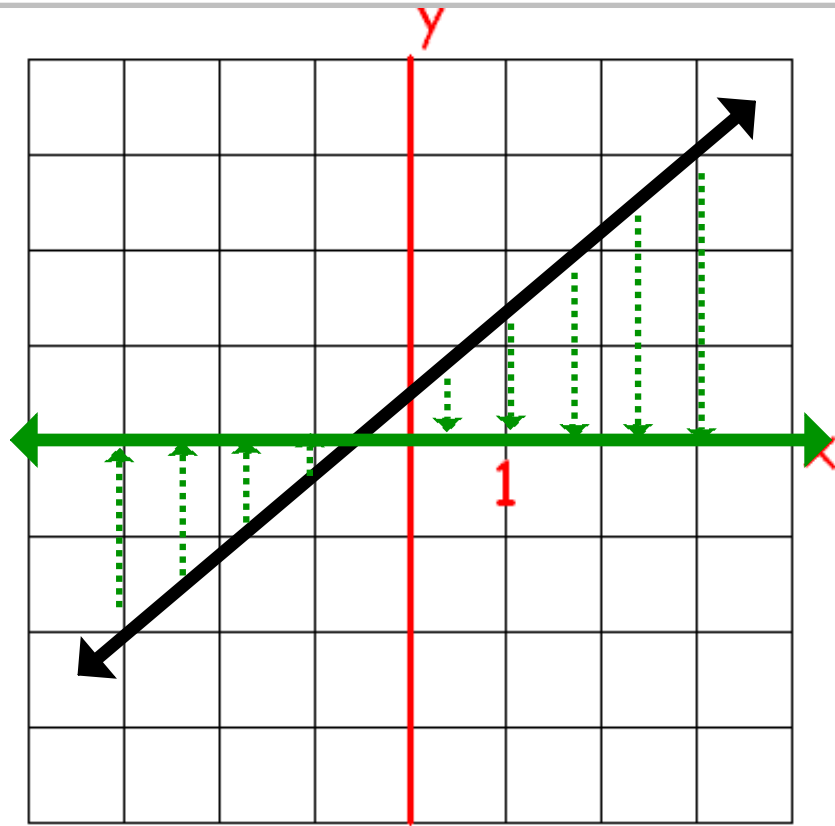


Answer 1-Range

$$y=[0,\text{inf})$$

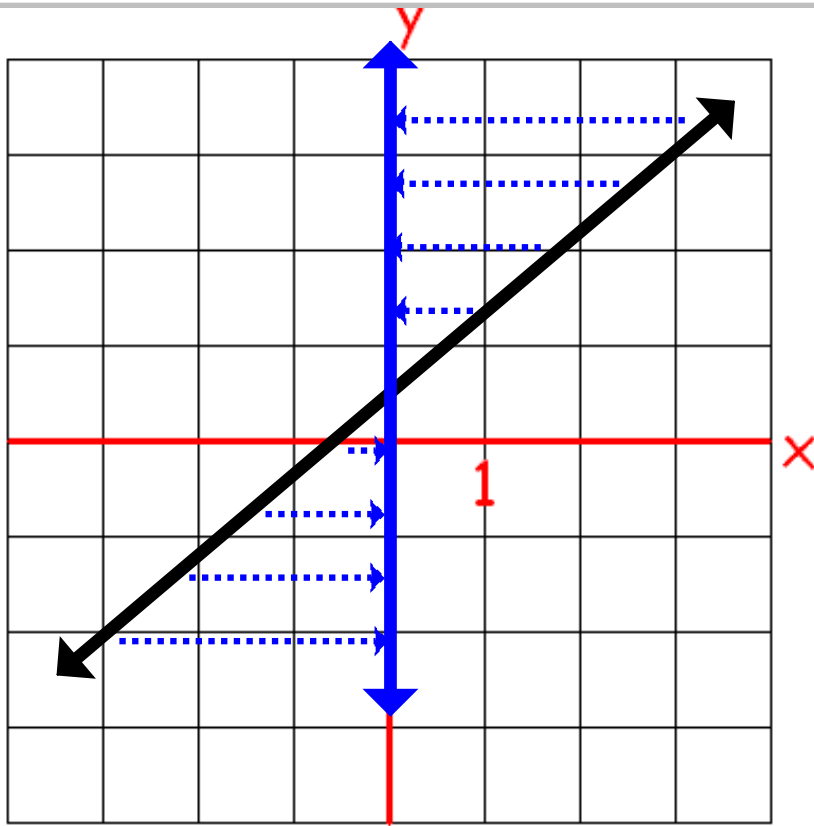


Question 2



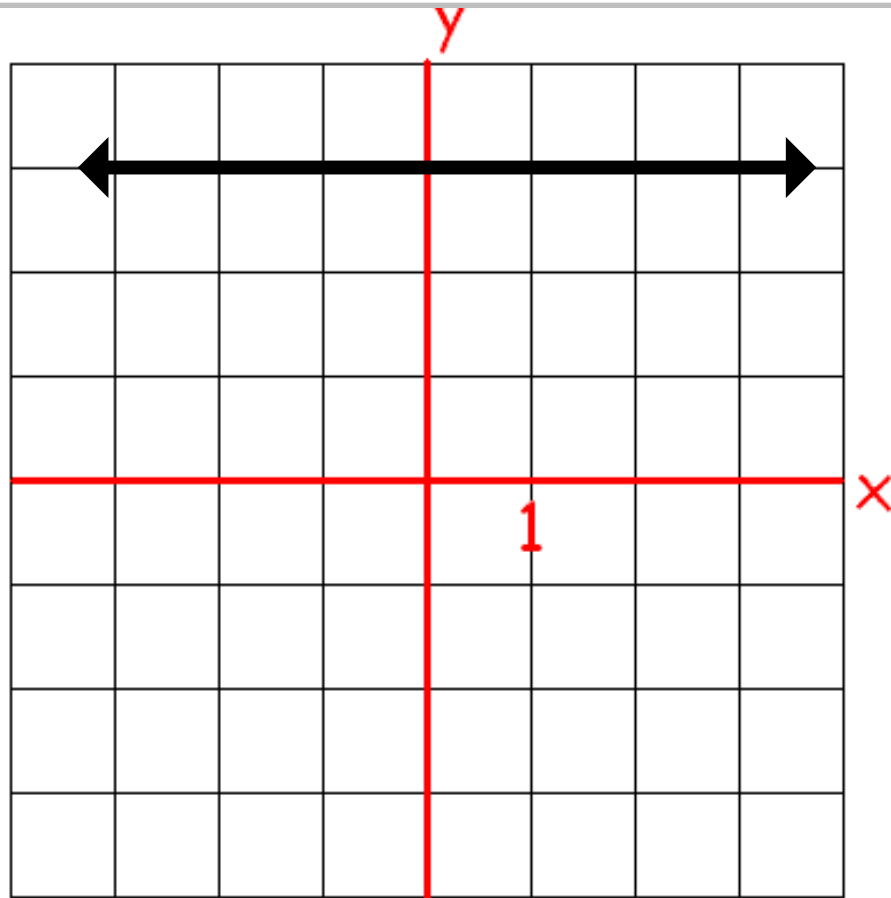
Answer 2-Domain

$$x = (-\infty, \infty)$$

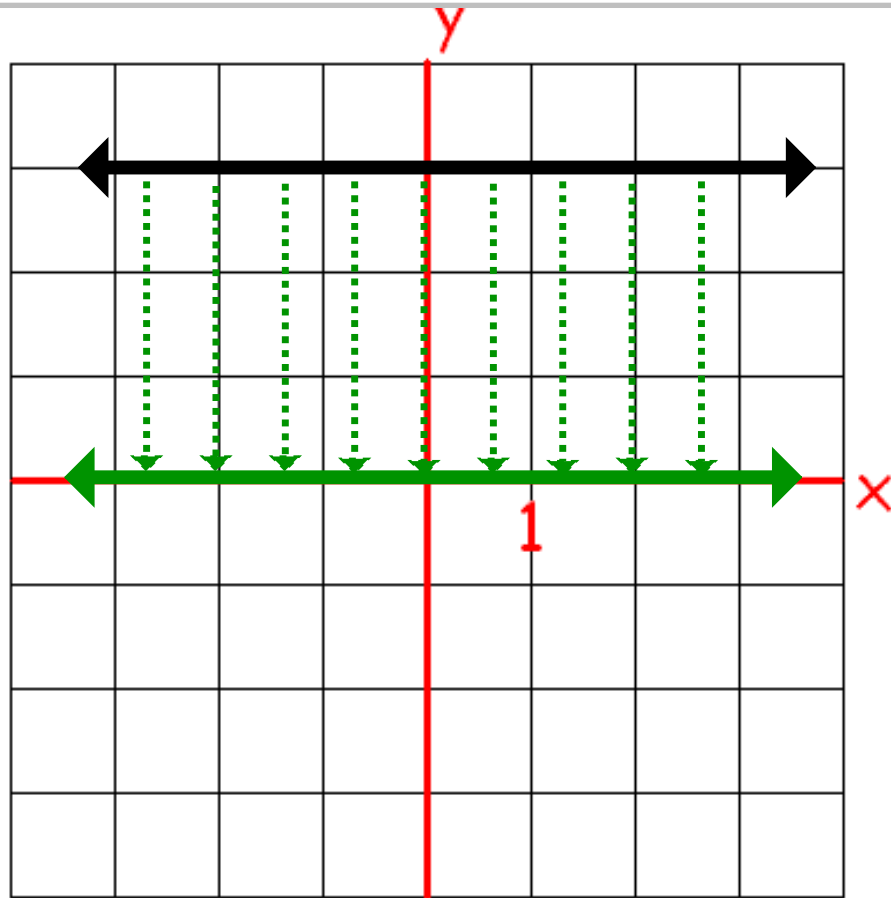


Answer 2-Range

$$y = (-\infty, \infty)$$

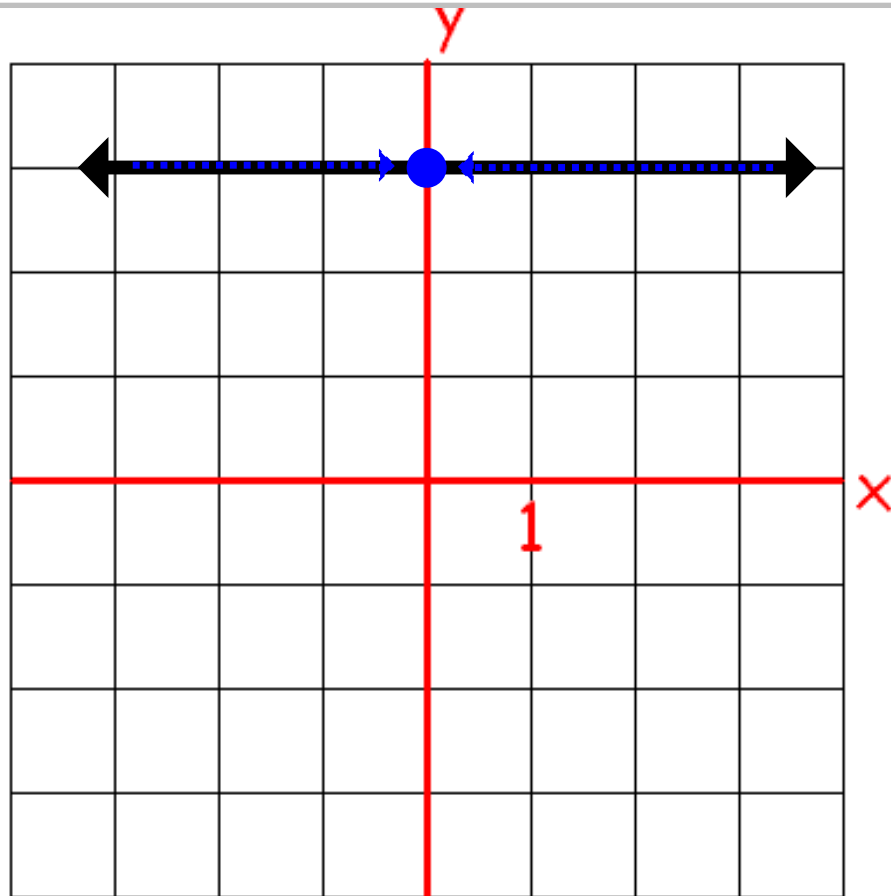


Question 3



Answer 3-Domain

$$x = (-\infty, \infty)$$



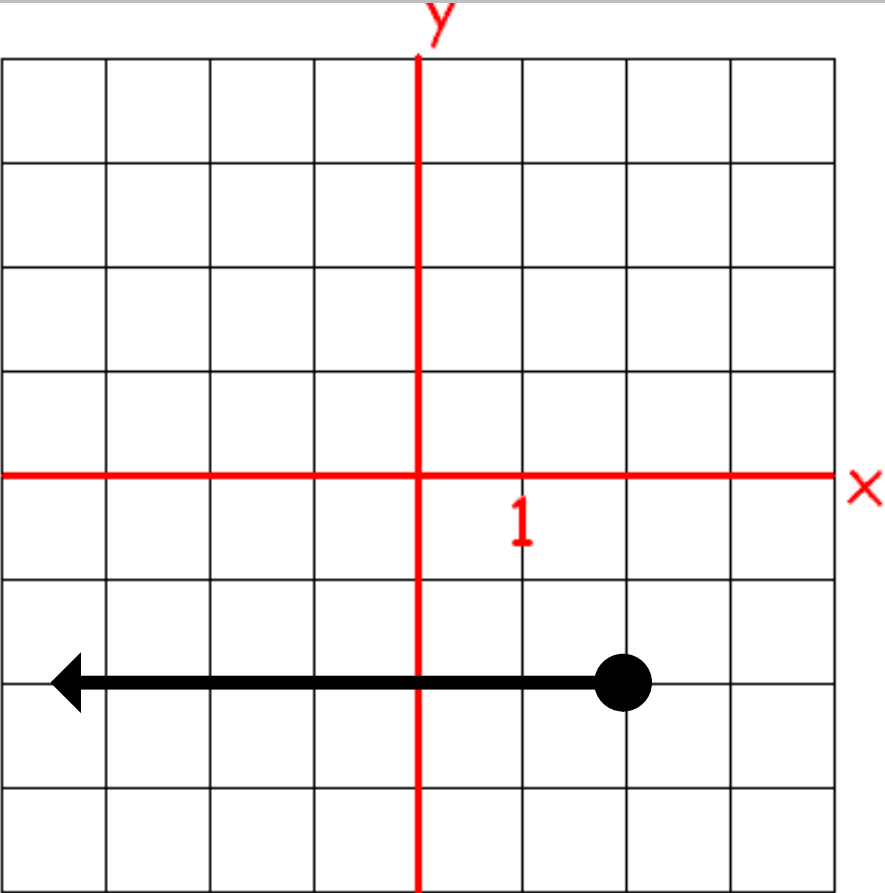
Answer 3-Range

$$y=[3,3]$$

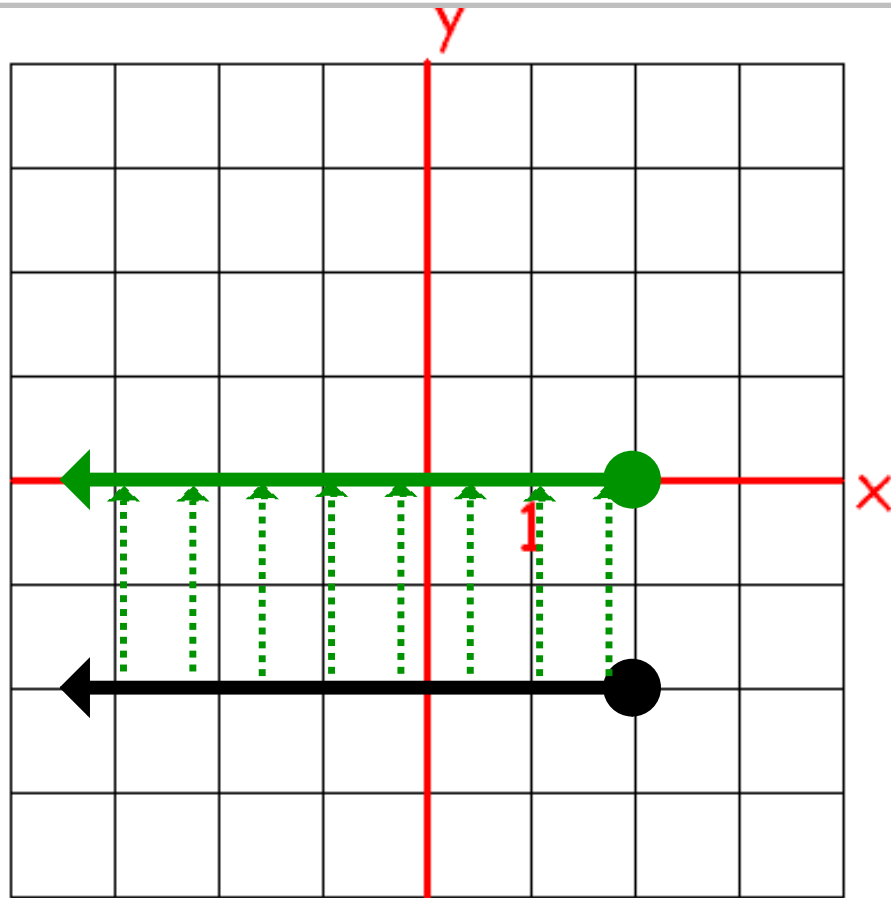
Or

$$y=\{3\}$$

Question 4

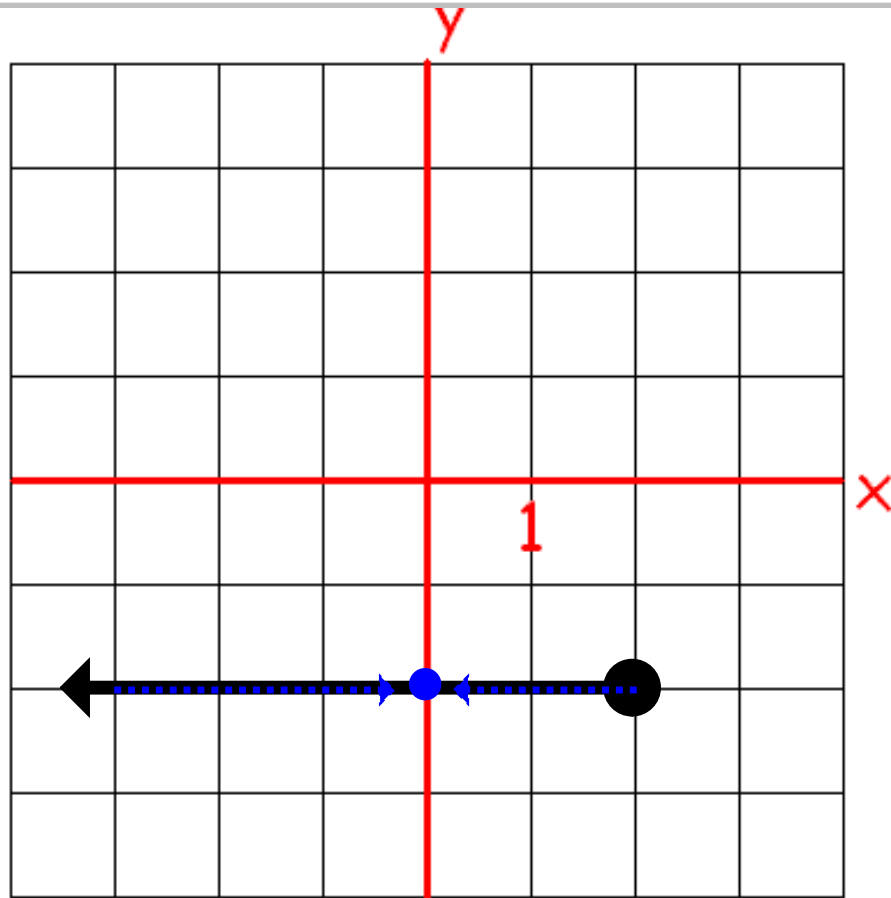


Answer 4-Domain



$$x = (-\infty, 2]$$

Answer 4-Range

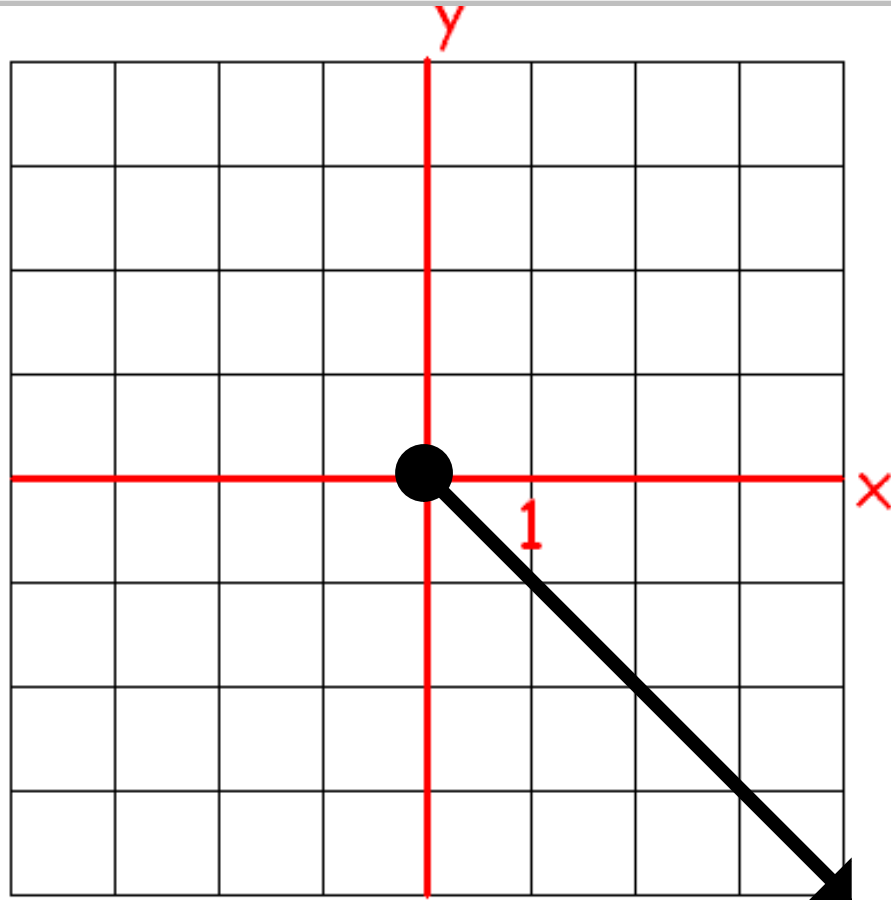


$$y = [-2, -2]$$

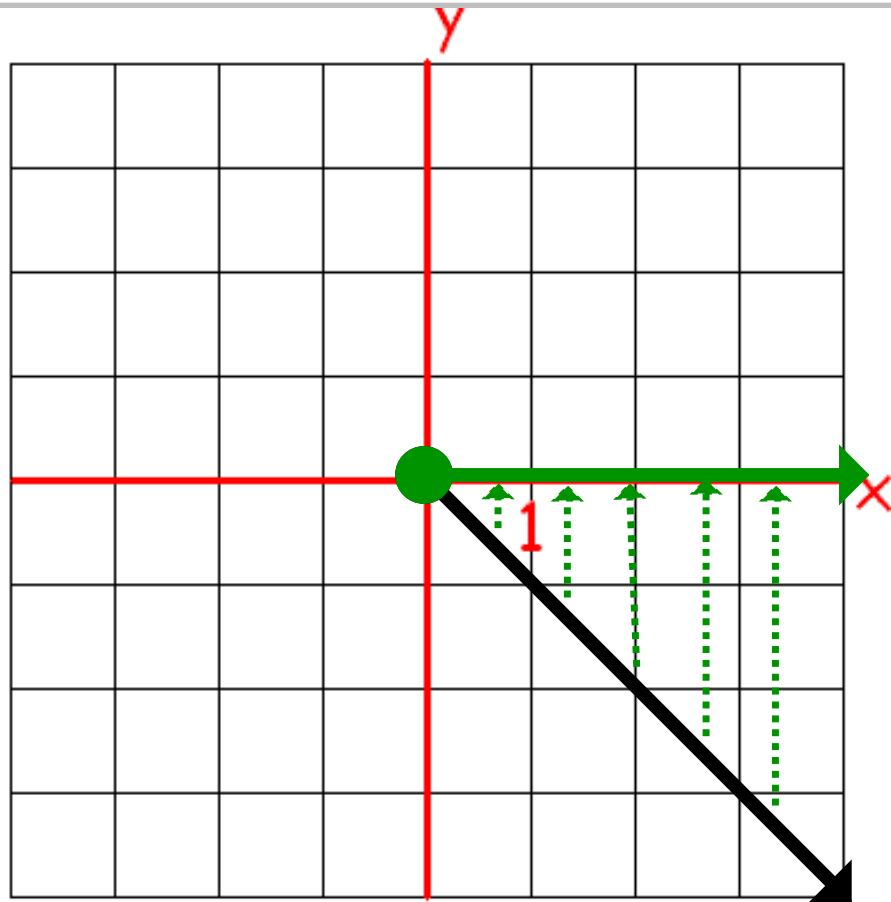
Or

$$y = \{-2\}$$

Question 5

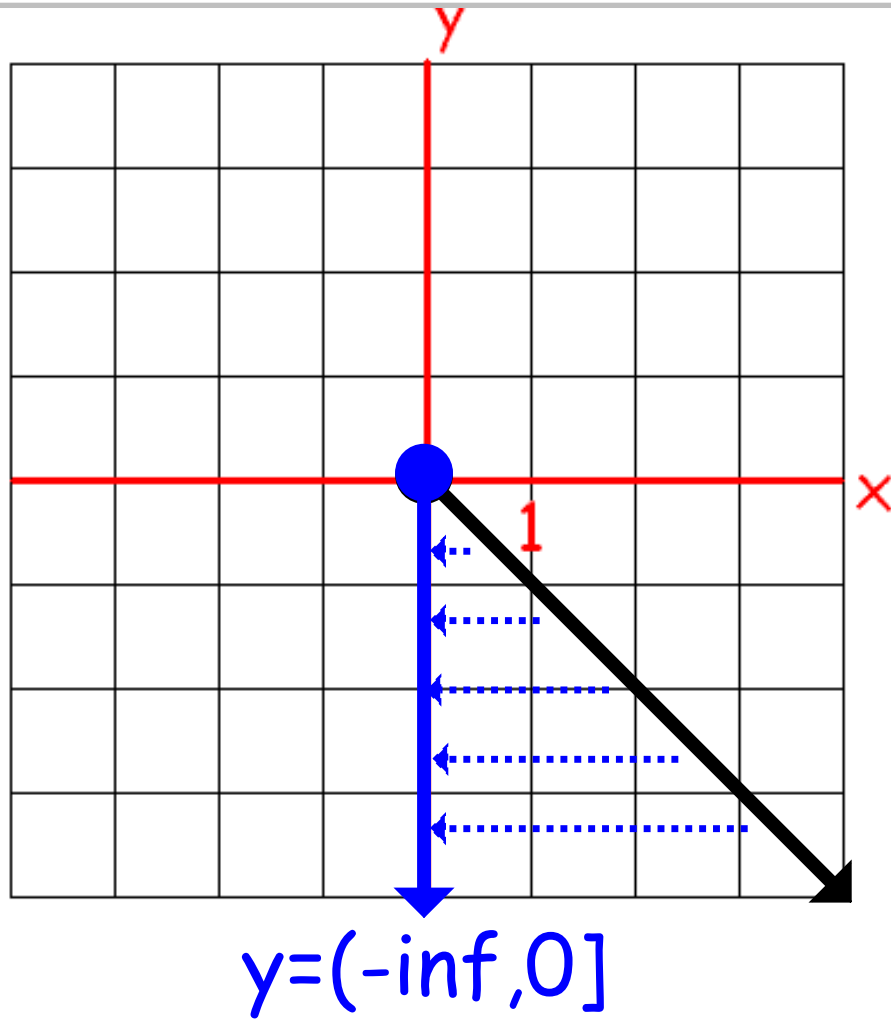


Answer 5-Domain

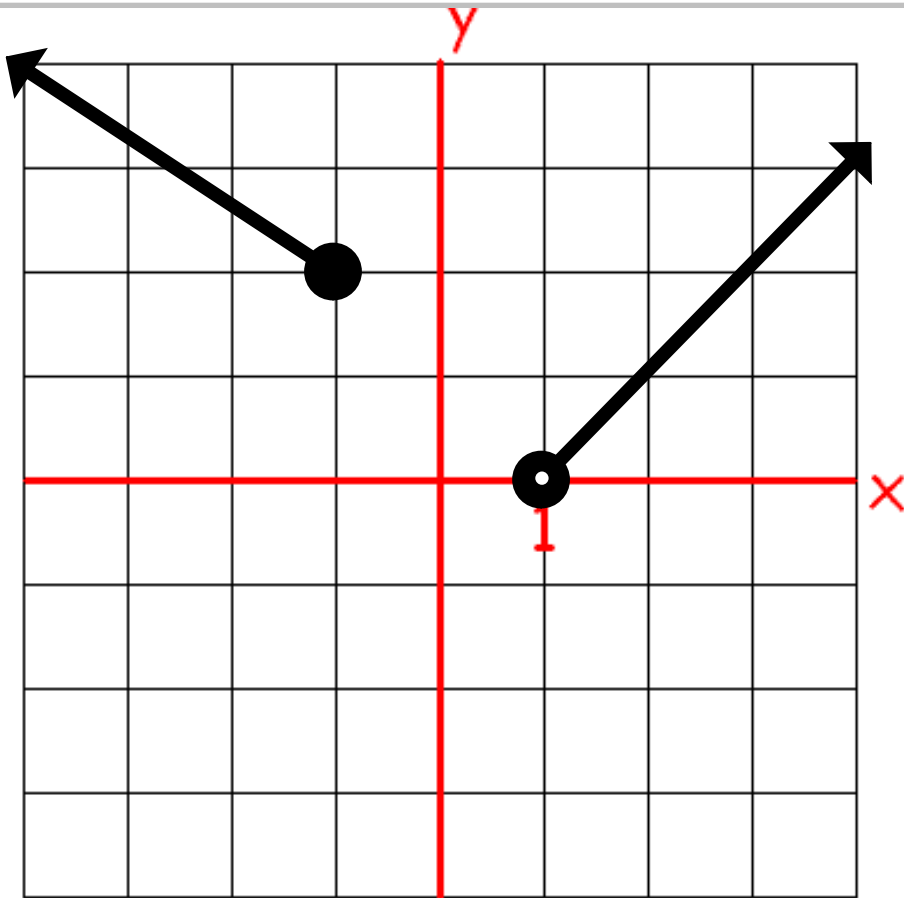


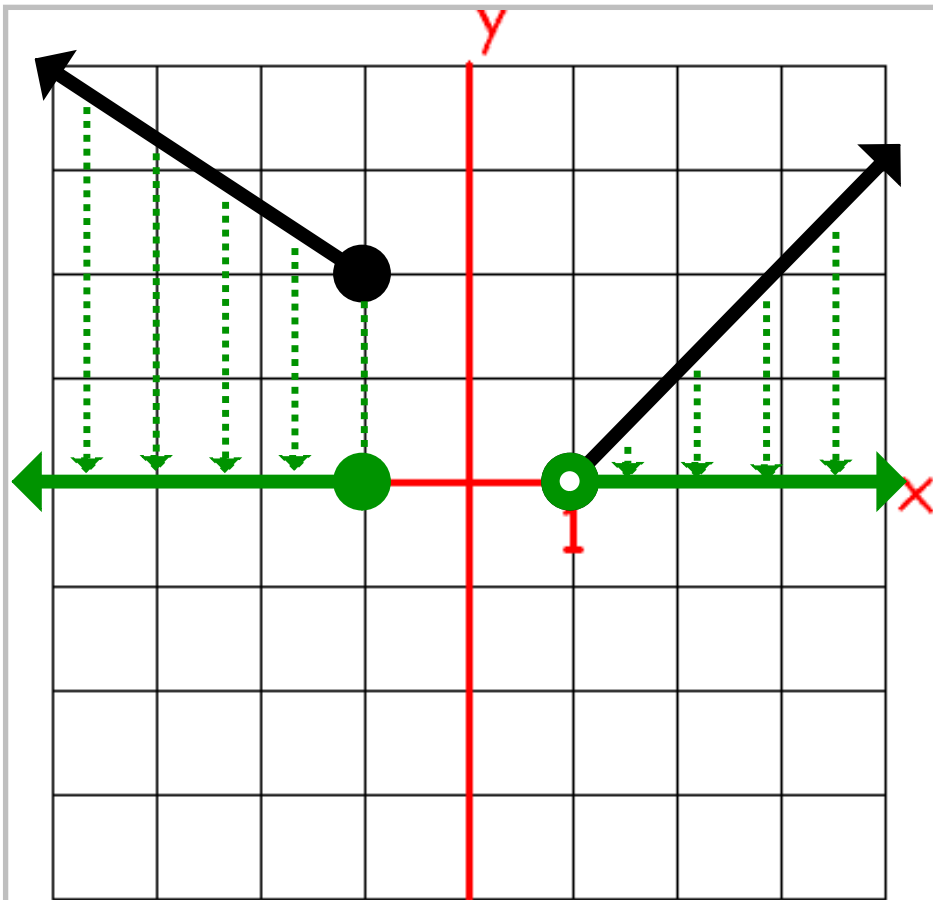
$$x=[0,\text{inf})$$

Answer 5-Range



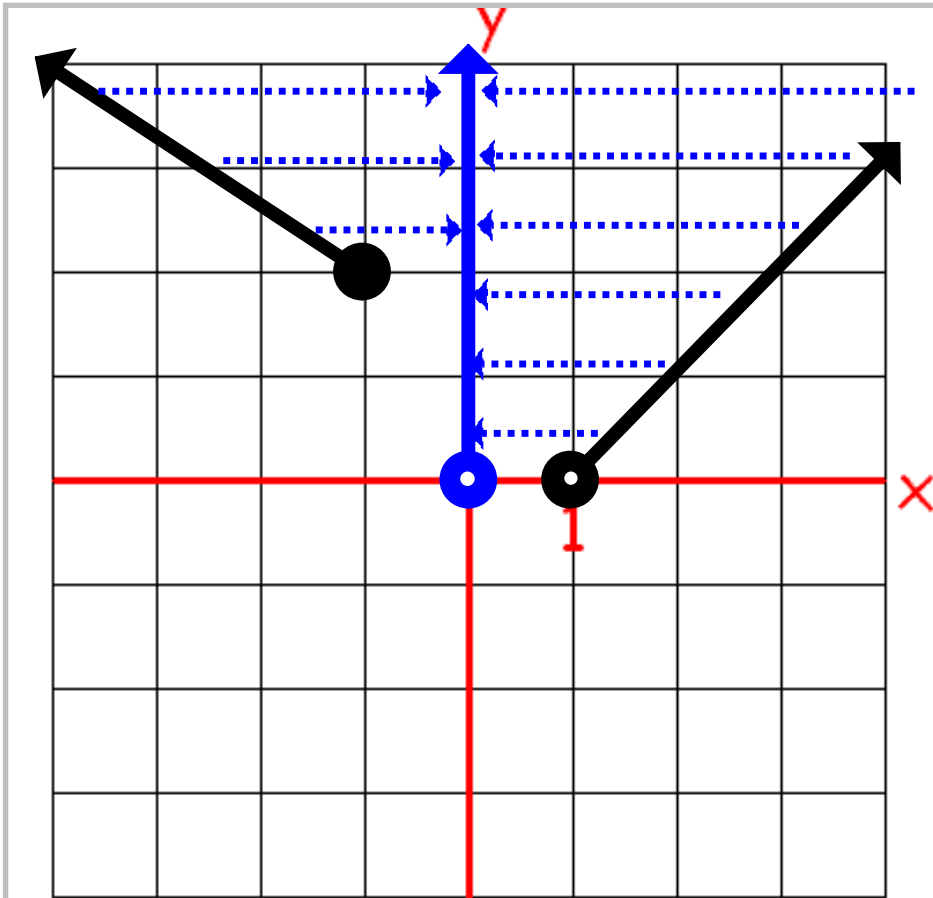
Question 6





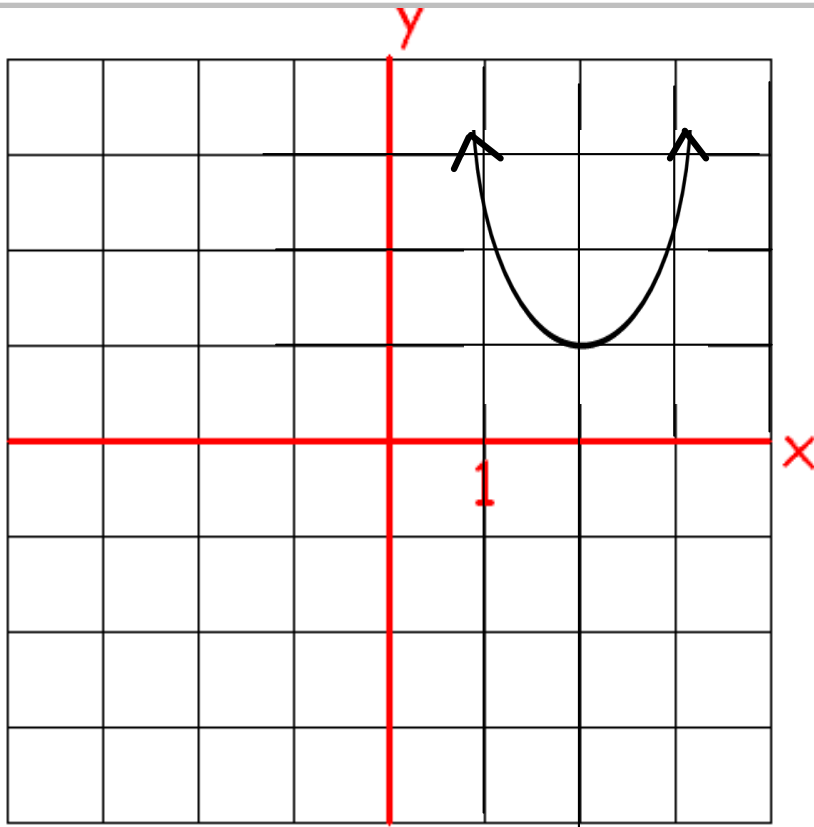
Answer 6-Domain

$$x = (-\infty, -1], (1, \infty)$$

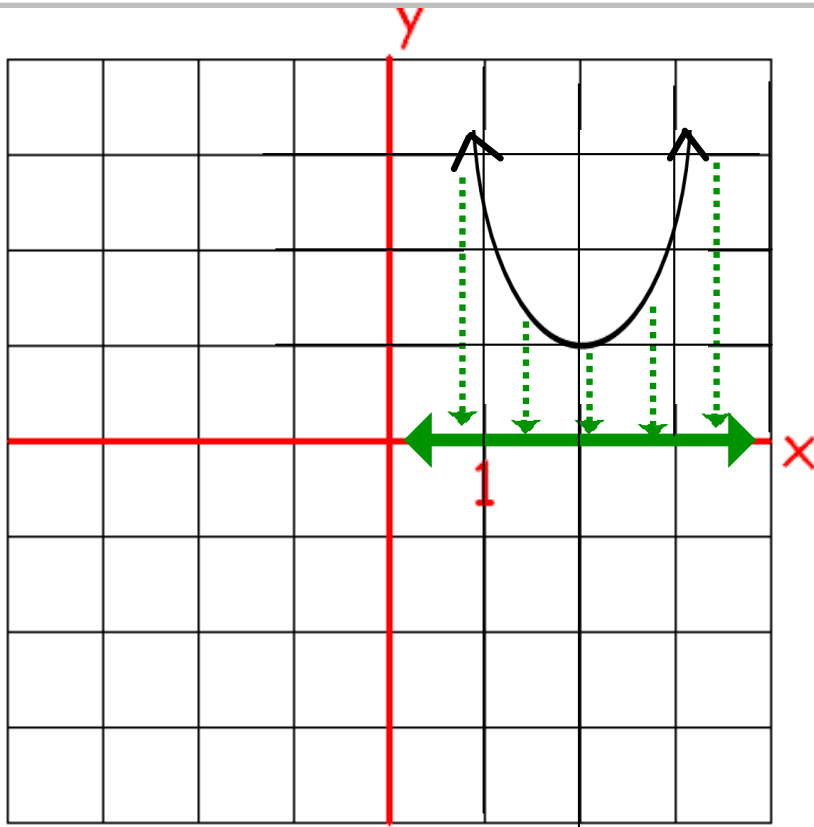


Answer 6-Range

$$y=(0,inf)$$

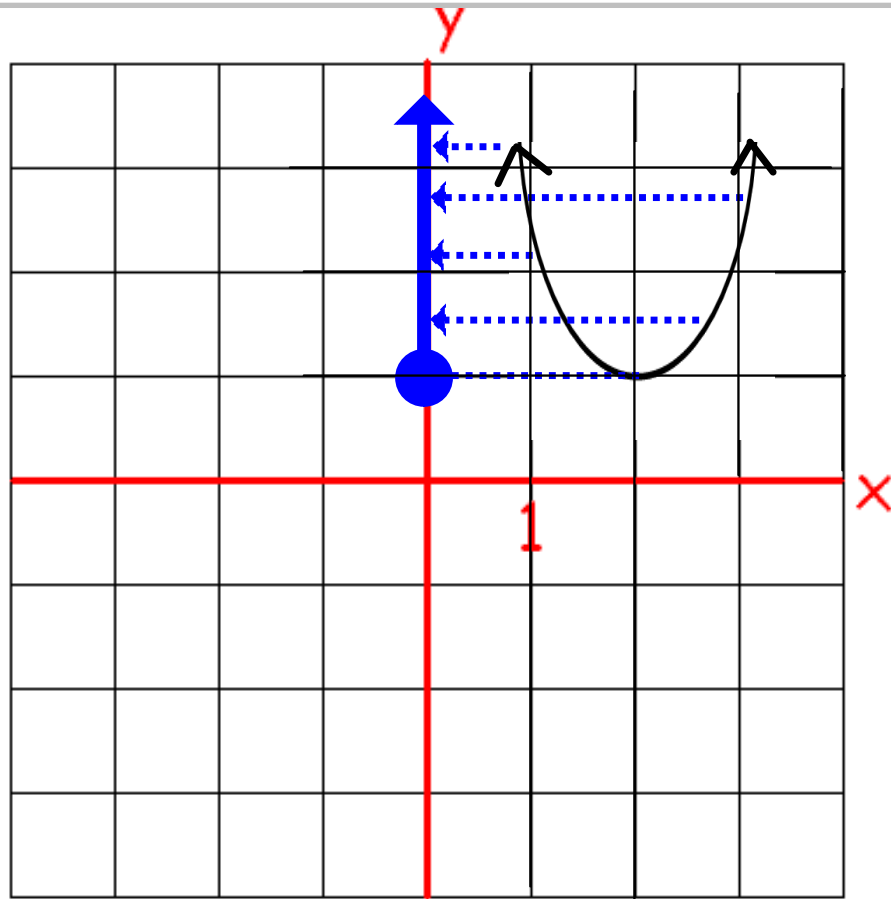


Question 7



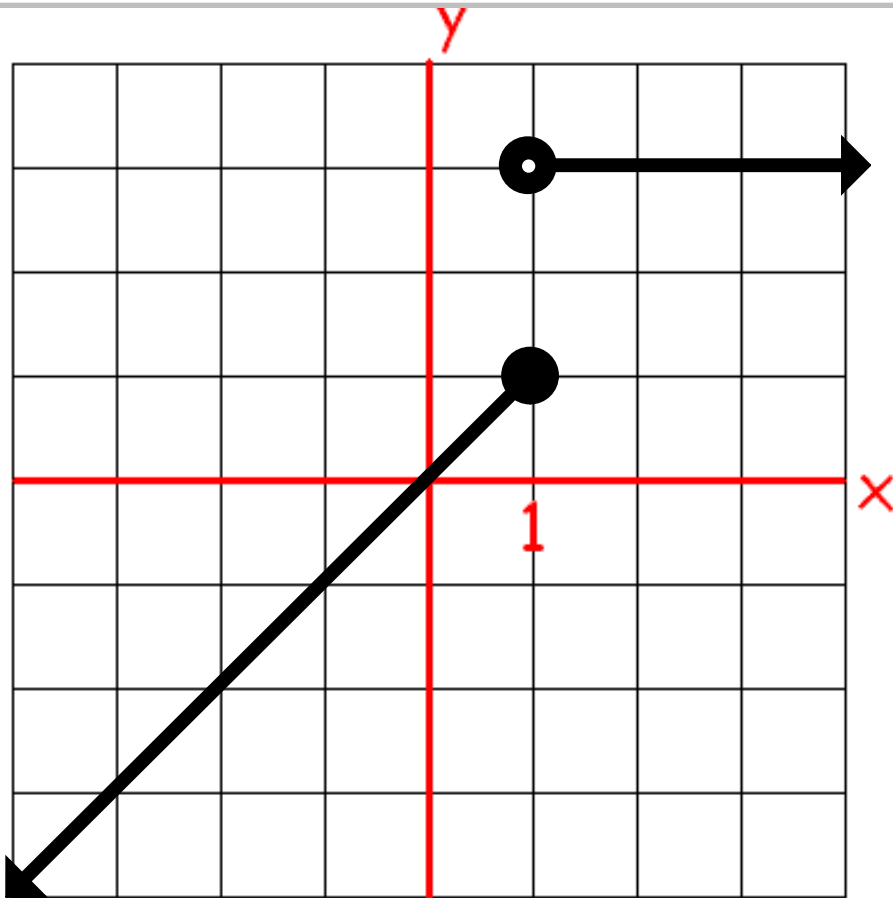
Answer 7-Domain

$$x=(-\infty, \infty)$$

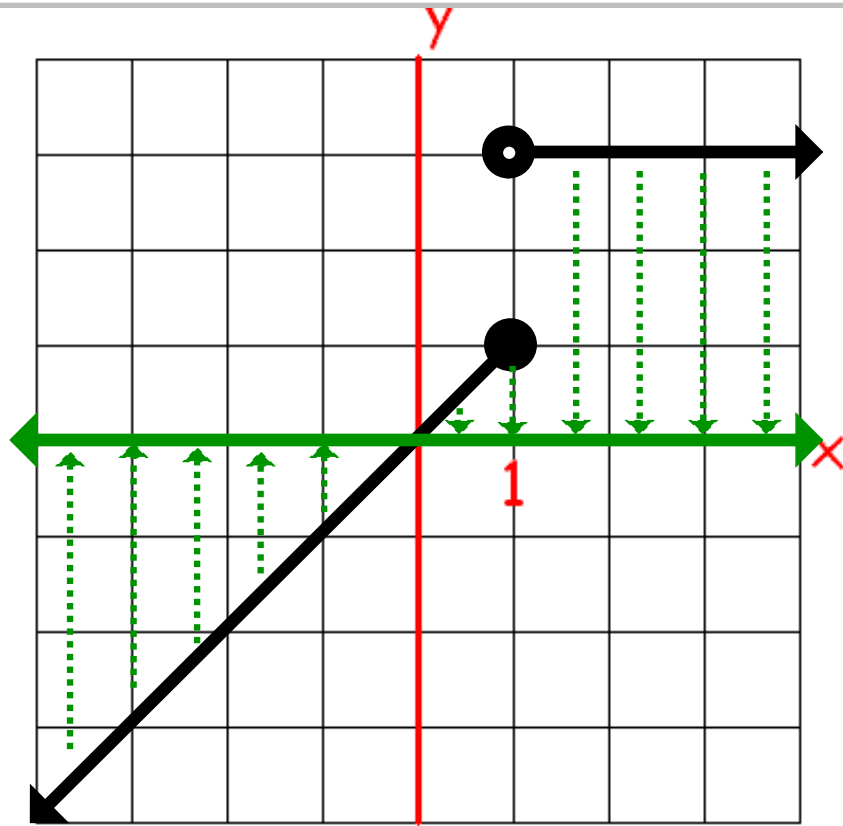


Answer 7-Range

$$y=[1,\text{inf})$$



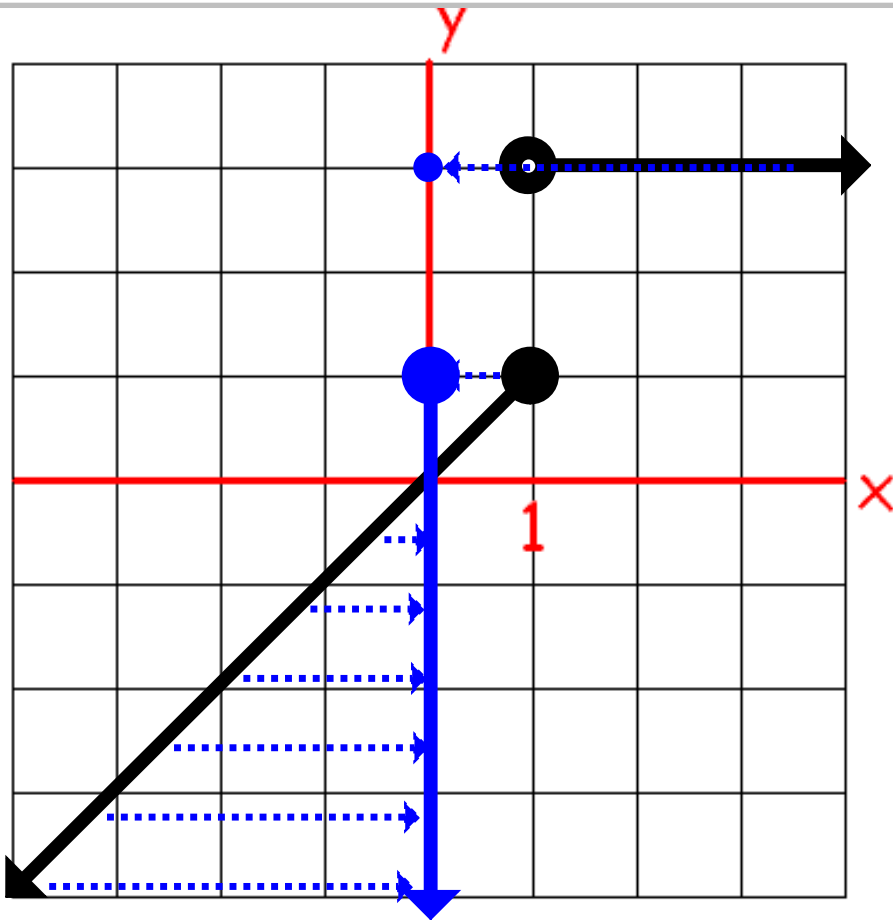
Question 8



Answer 8-Domain

$$x = (-\infty, 1], (1, \infty)$$

$$x = (-\infty, \infty)$$

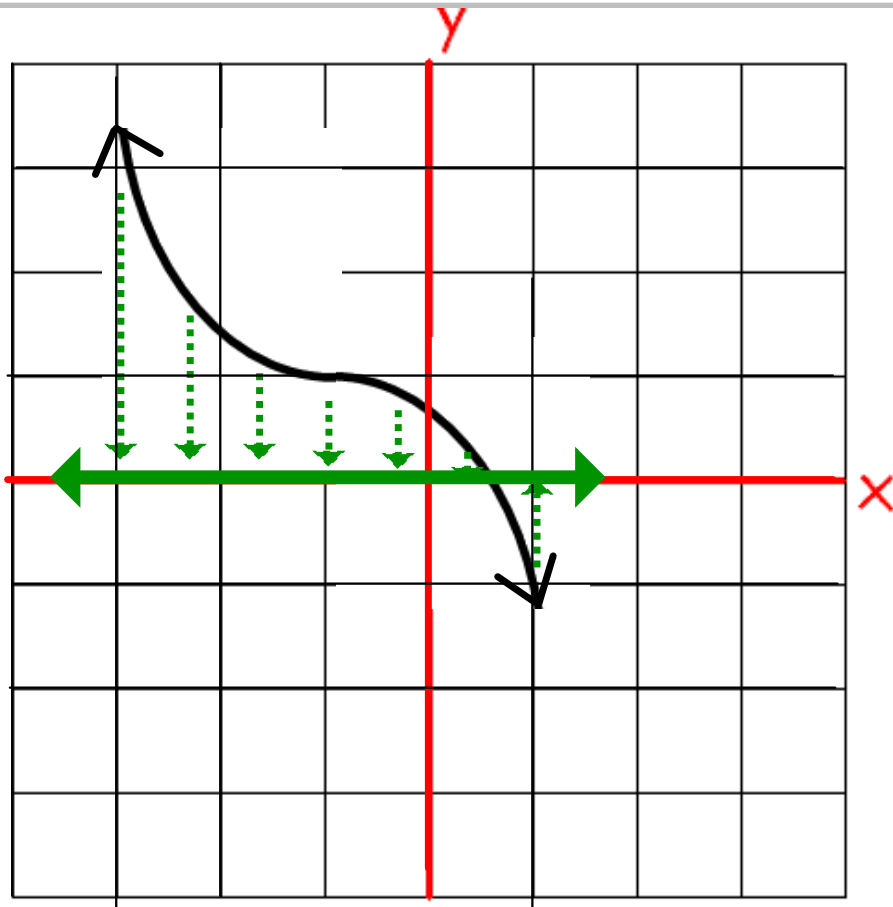


Answer 8-Range

$$y = (-\infty, 1), [3, 3]$$

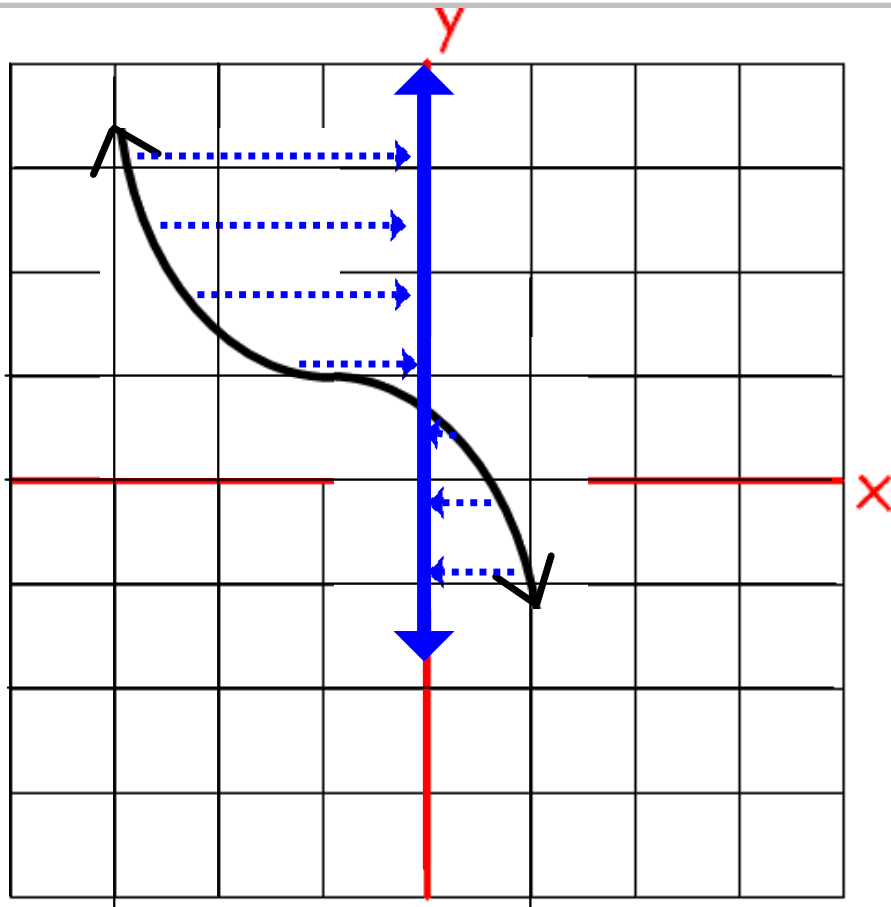


Question 9



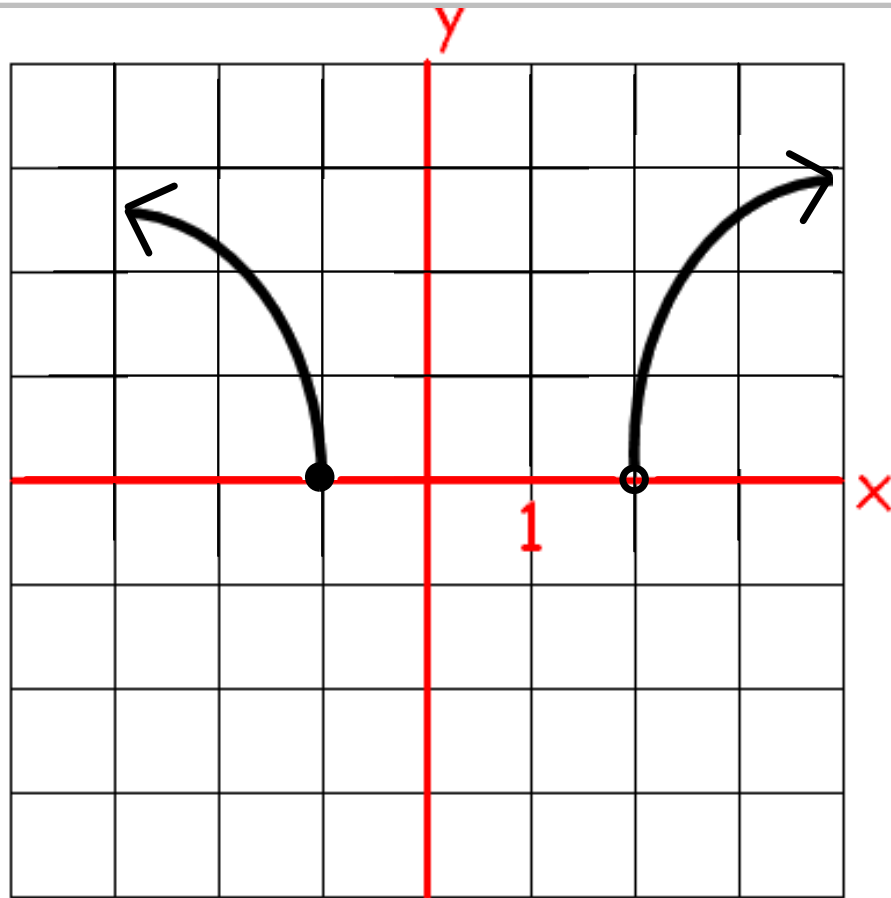
Answer 9-Domain

$$x=(-\text{inf}, \text{inf})$$

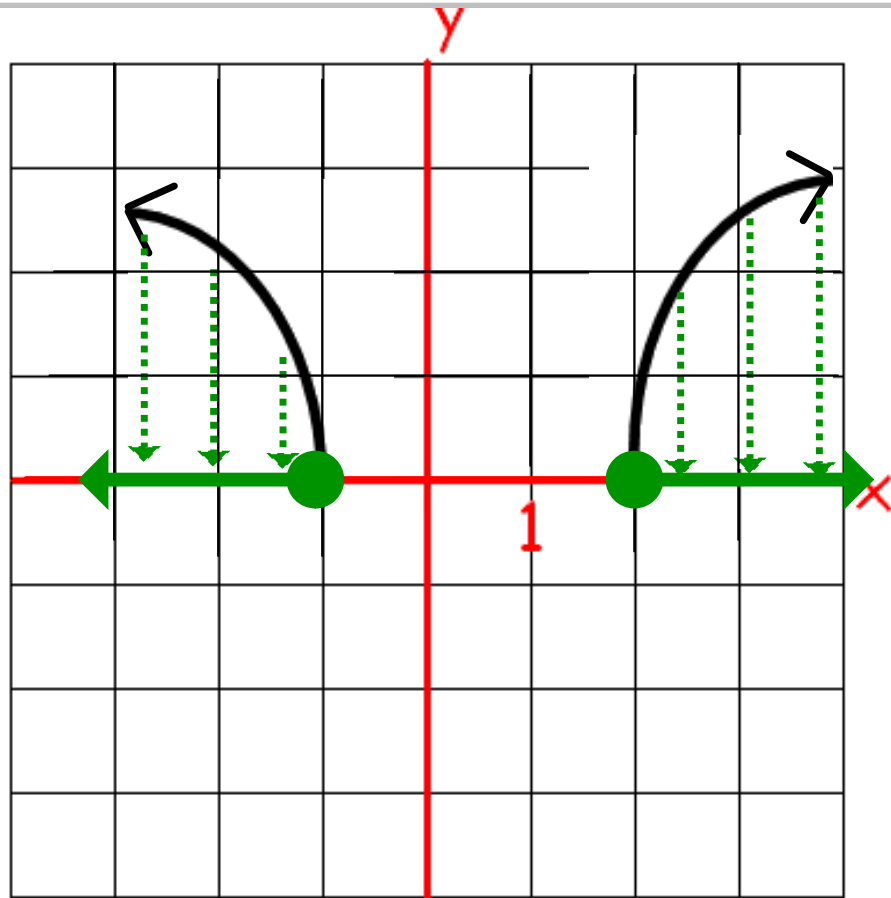


Answer 9-Range

$$y=(-\text{inf},\text{inf})$$

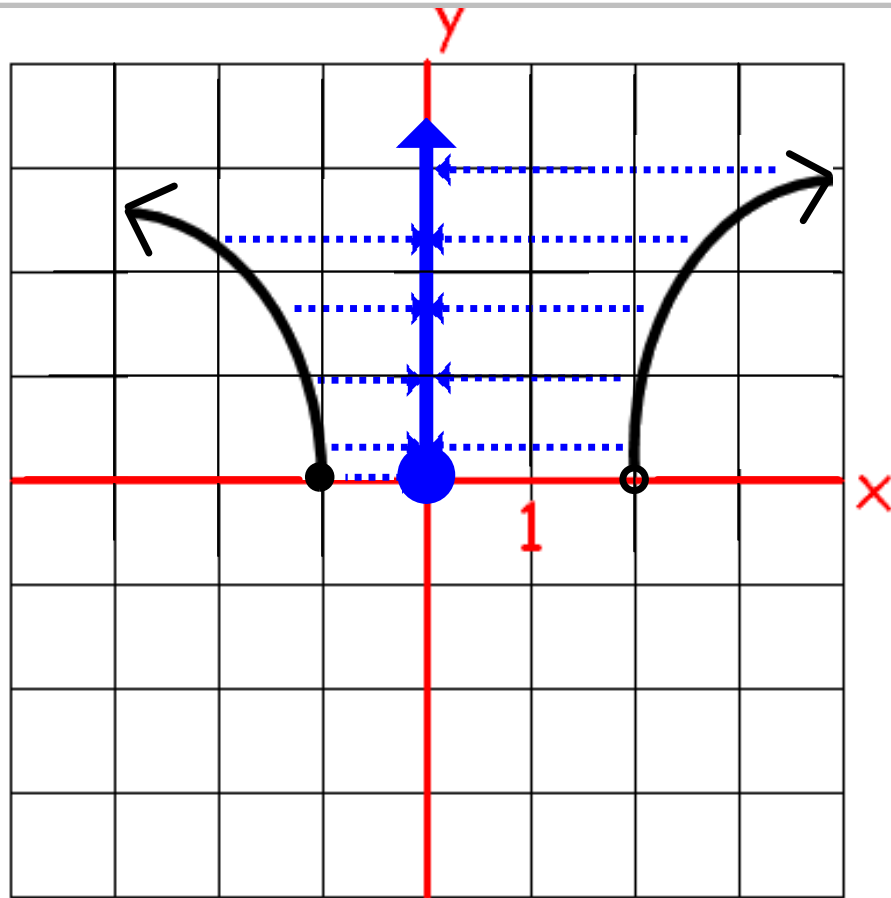


Question 10



Answer 10-Domain

$$x = (-\infty, -1], (1, \infty)$$



Answer 10-Range

$$y=[0,\text{inf})$$