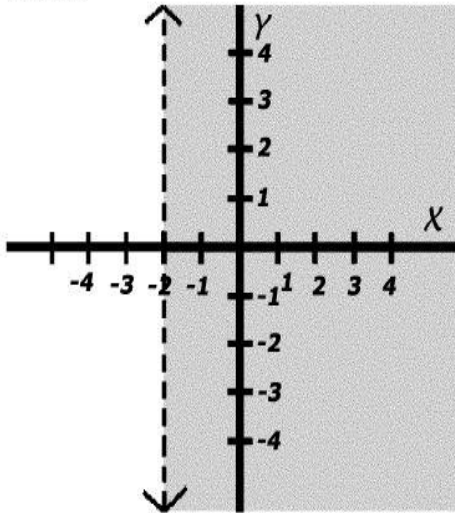


Use the coordinate plane to answer the following question.



Which inequality is represented by the graph?

- a)  $x < -2$
- b)  $x \leq -2$
- c)  $x > -2$
- d)  $x \geq -2$

What is the range of the function  $y = |x|$ ?

- a)  $y \leq 0$
- b)  $y \geq 0$
- c)  $x \leq 0$
- d)  $x \geq 0$

What is the domain of the function

$$f(x) < x^2 + 2?$$

- a)  $x \geq 0$
- b)  $-\infty < x < \infty$
- c)  $f(x) \geq 2$
- d)  $0 < f(x) < \infty$

Which statement represents  $x$  in the inequality

$$2|x| + 2 < 8?$$

- a)  $x < -3$
- b)  $x > 3$
- c)  $-3 < x < 3$
- d)  $x < -3, x > 3$