

Maths

# Represent Inequalities on a Coordinate Grid 2 (e.g. $y < 2x + 3$ )

Miss Davies

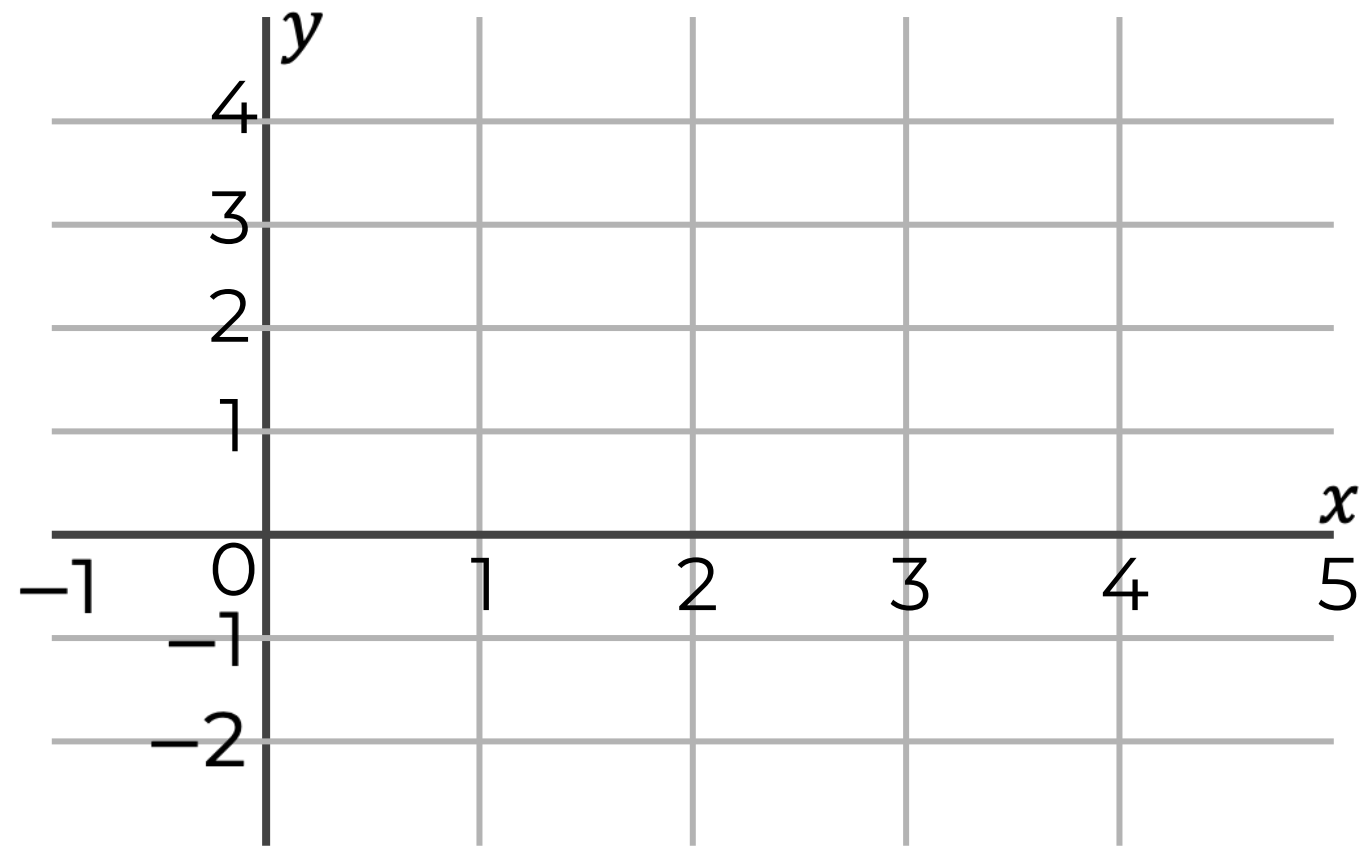
**Please note some slides do have colour images on them**



# Representing inequalities on a coordinate grid

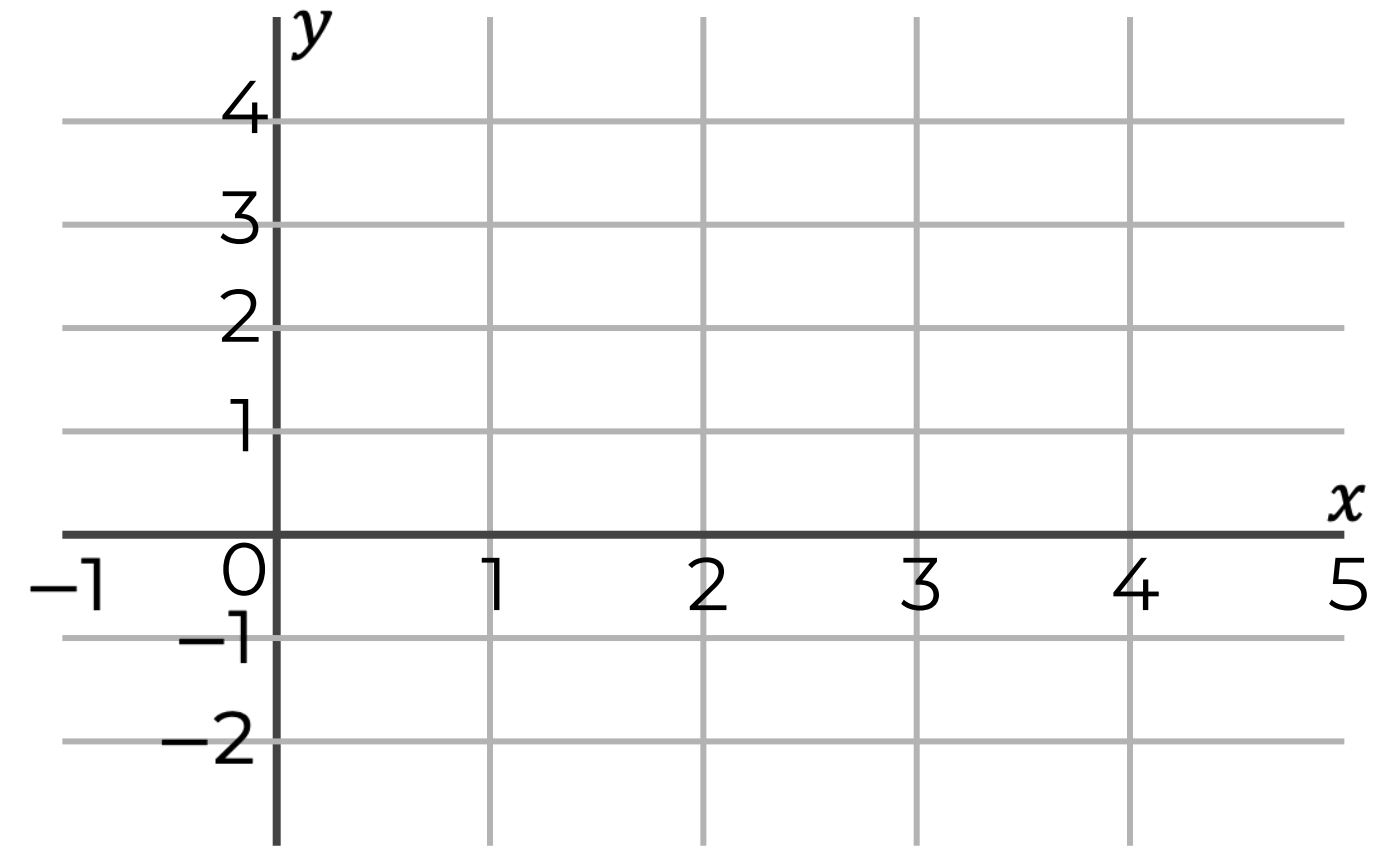
1. Represent the inequality on the coordinate grid.

$$y \geq \frac{1}{2}x + 1$$



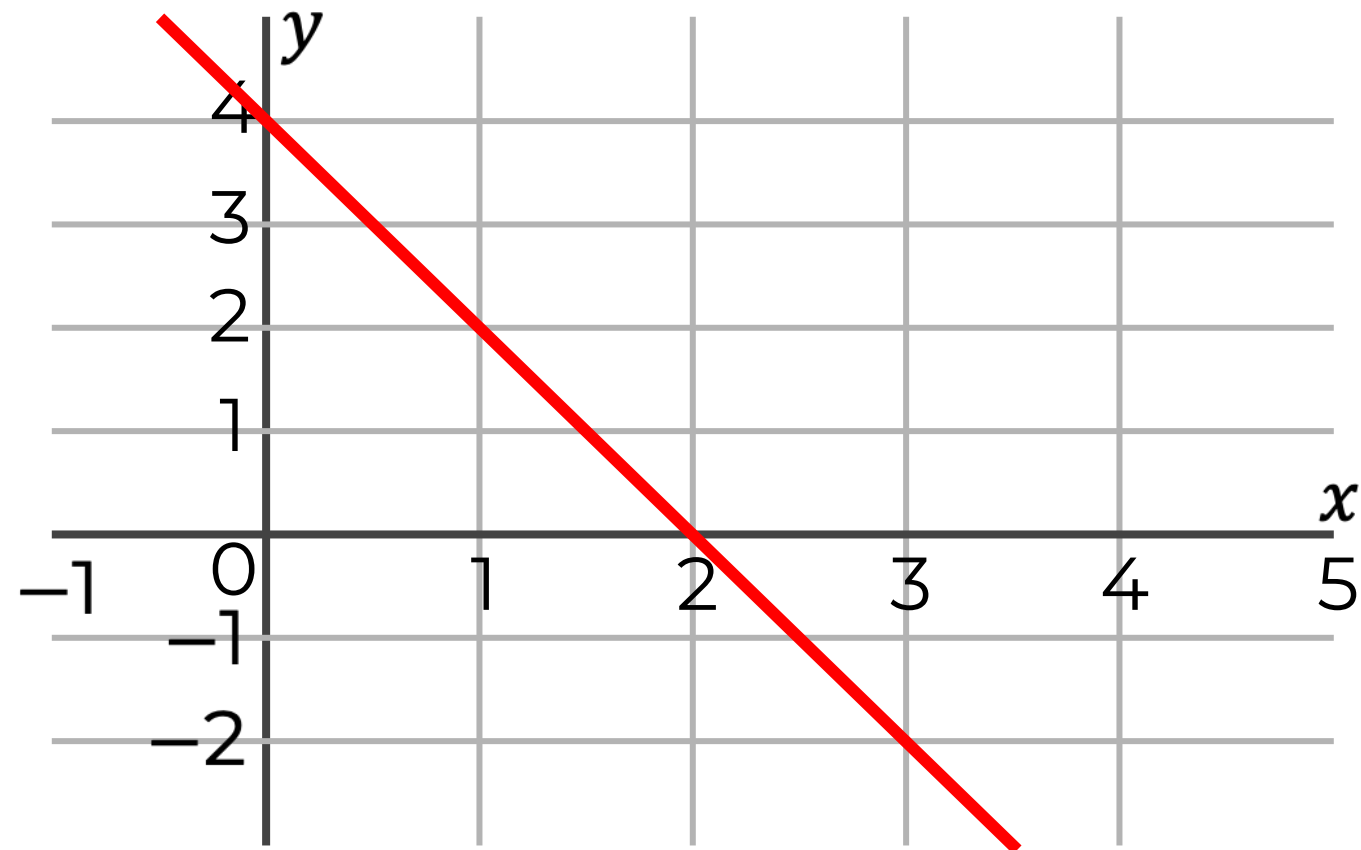
2. Represent the inequality on the coordinate grid.

$$y < -x + 3$$



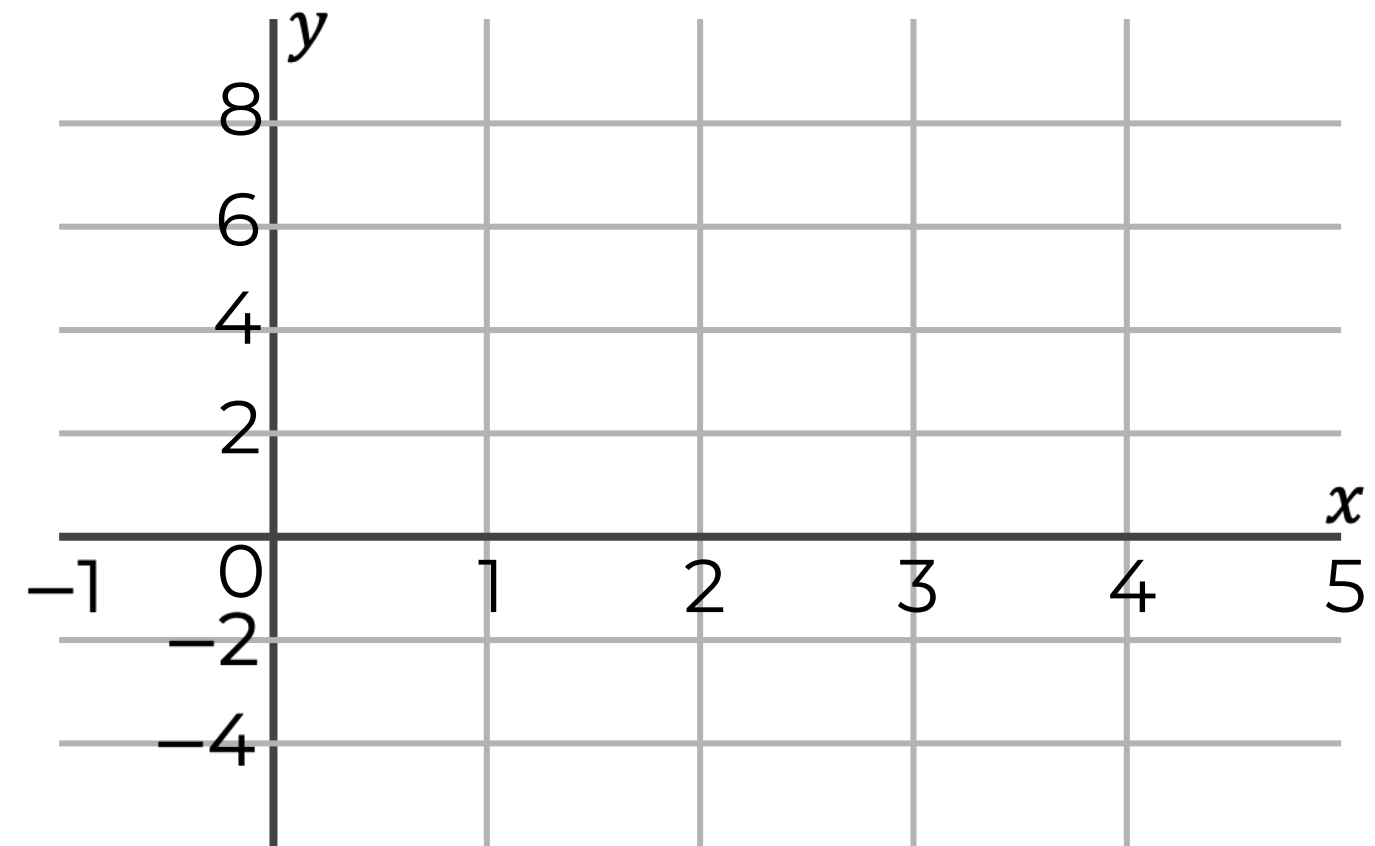
# Representing inequalities on a coordinate grid

3. Write down the inequality represented by the shaded area on the coordinate grid.



4. Represent the inequality on the coordinate grid.

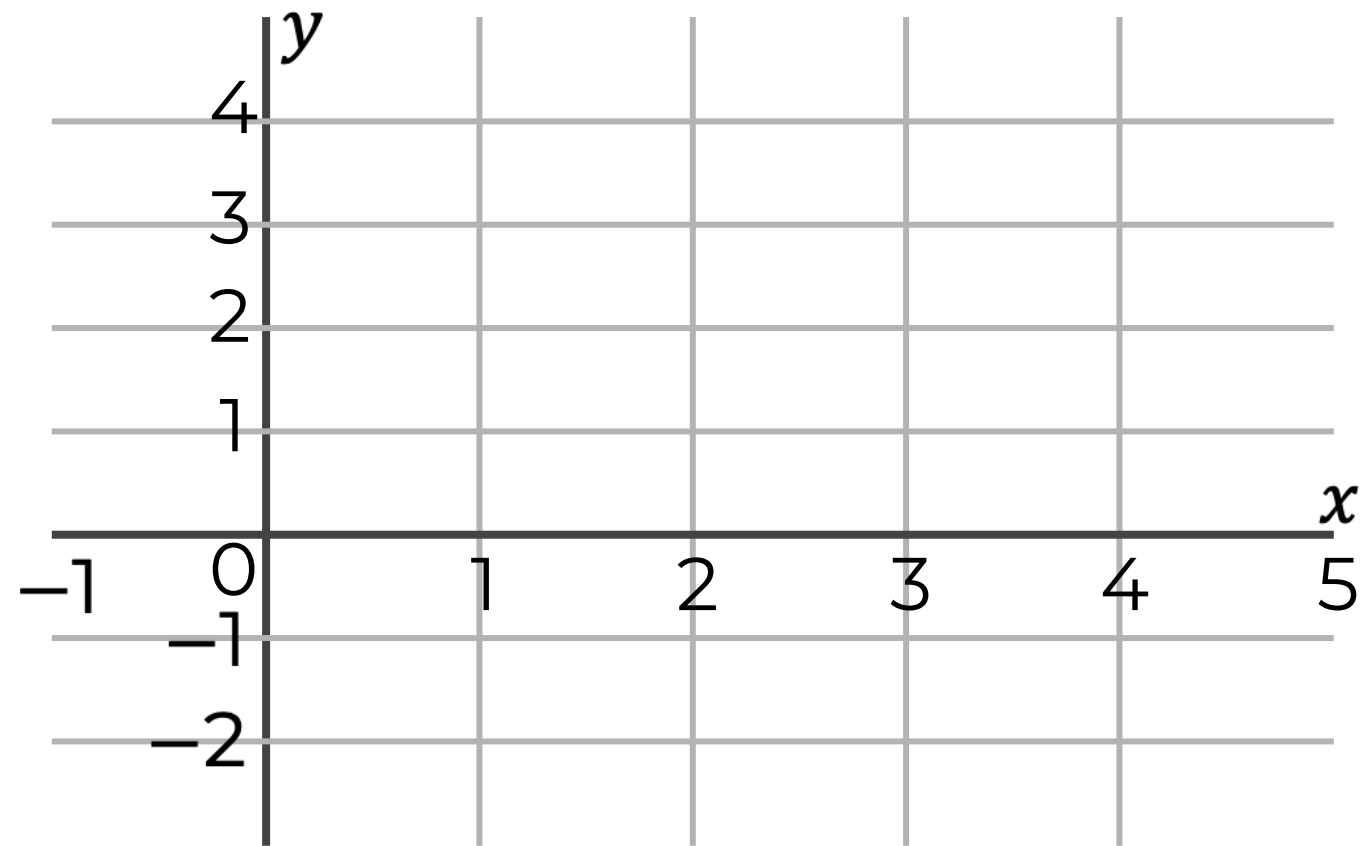
$$3y > -6x + 18$$



# Representing inequalities on a coordinate grid

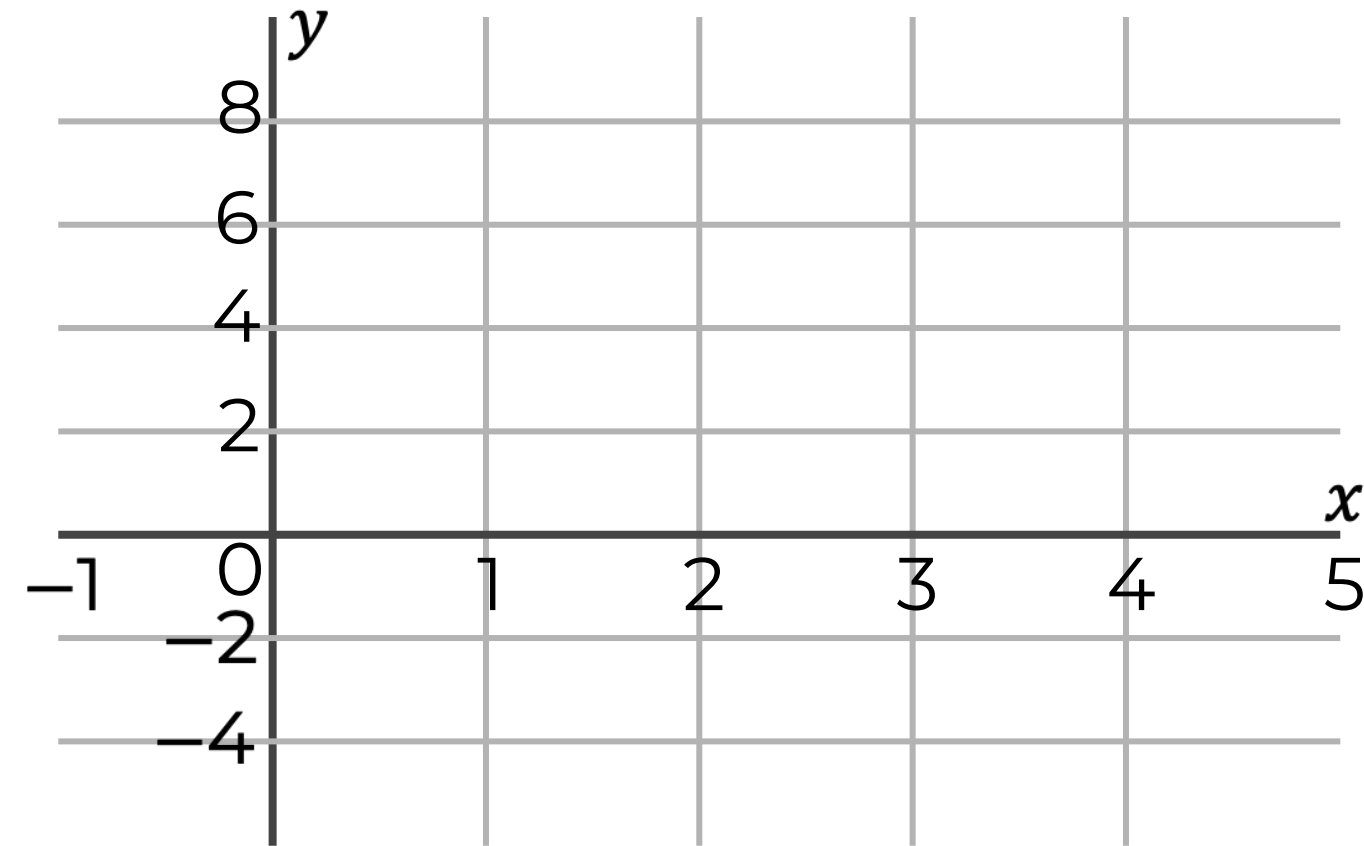
5. Represent the inequality on the coordinate grid.

$$\frac{1}{2}y + \frac{1}{2}x \leq 1$$



6. Represent the inequality on the coordinate grid.

$$3y - 8 < -4x$$

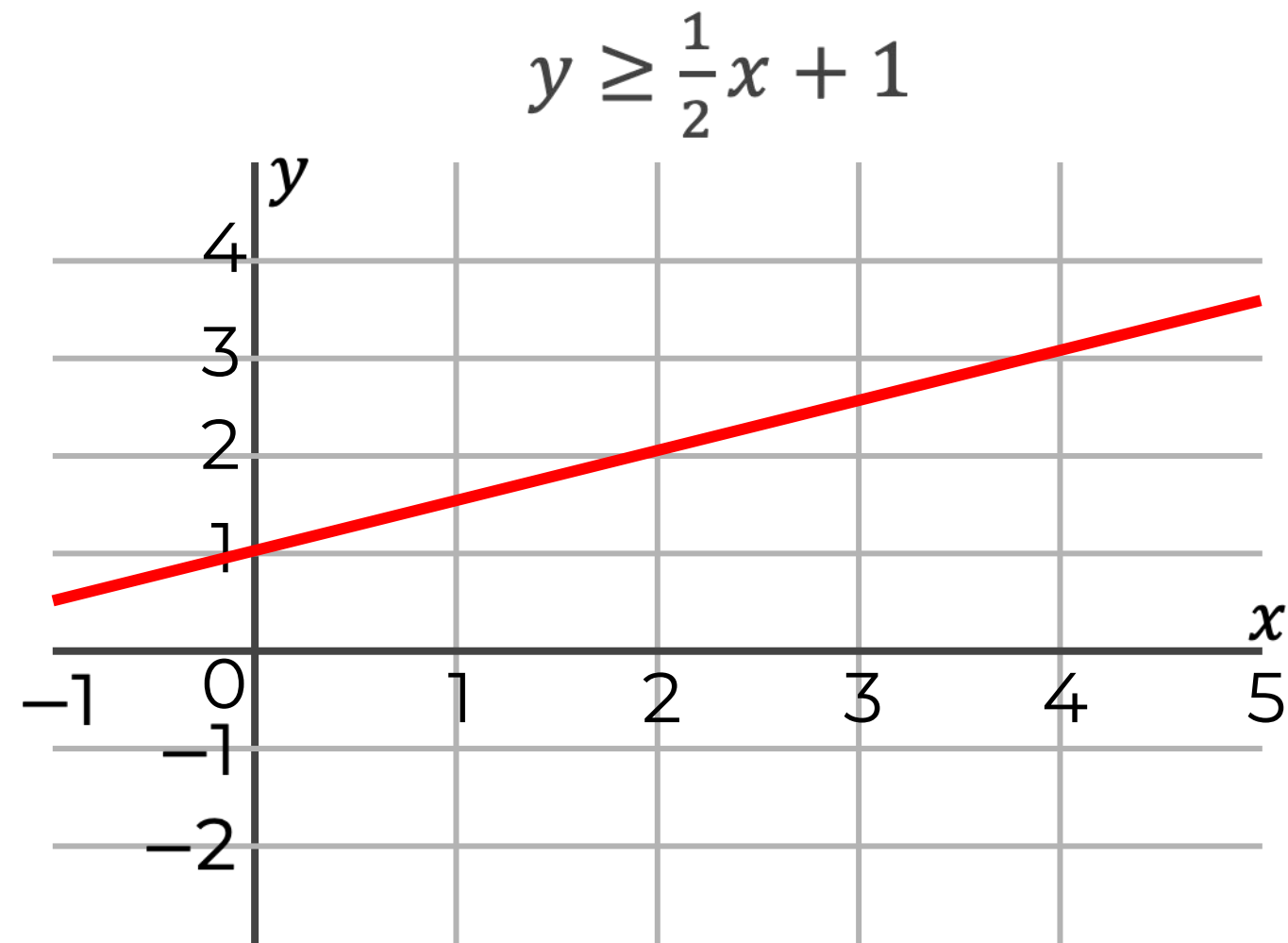


# Answers

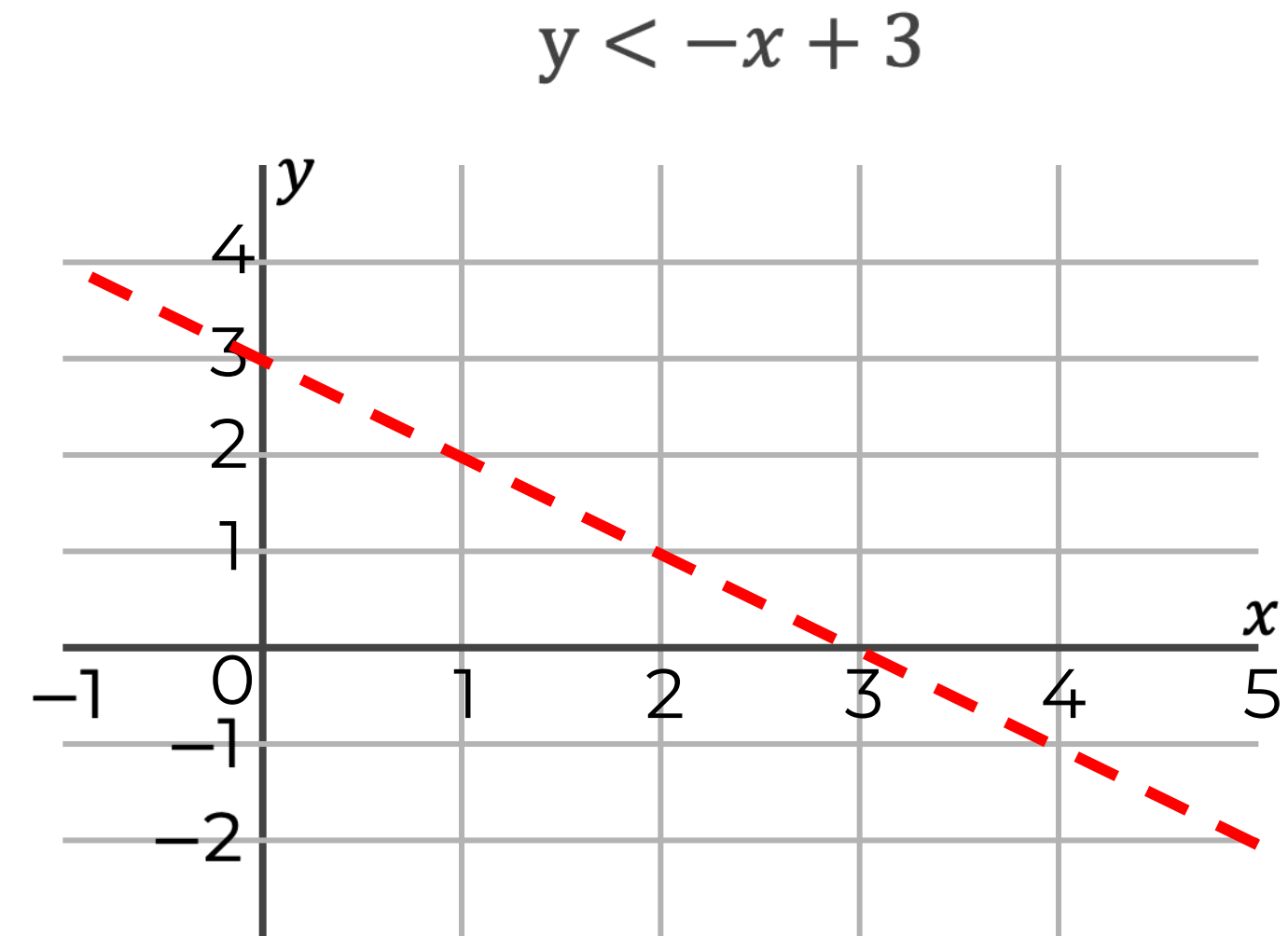


# Representing inequalities on a coordinate grid

1. Represent the inequality on the coordinate grid.



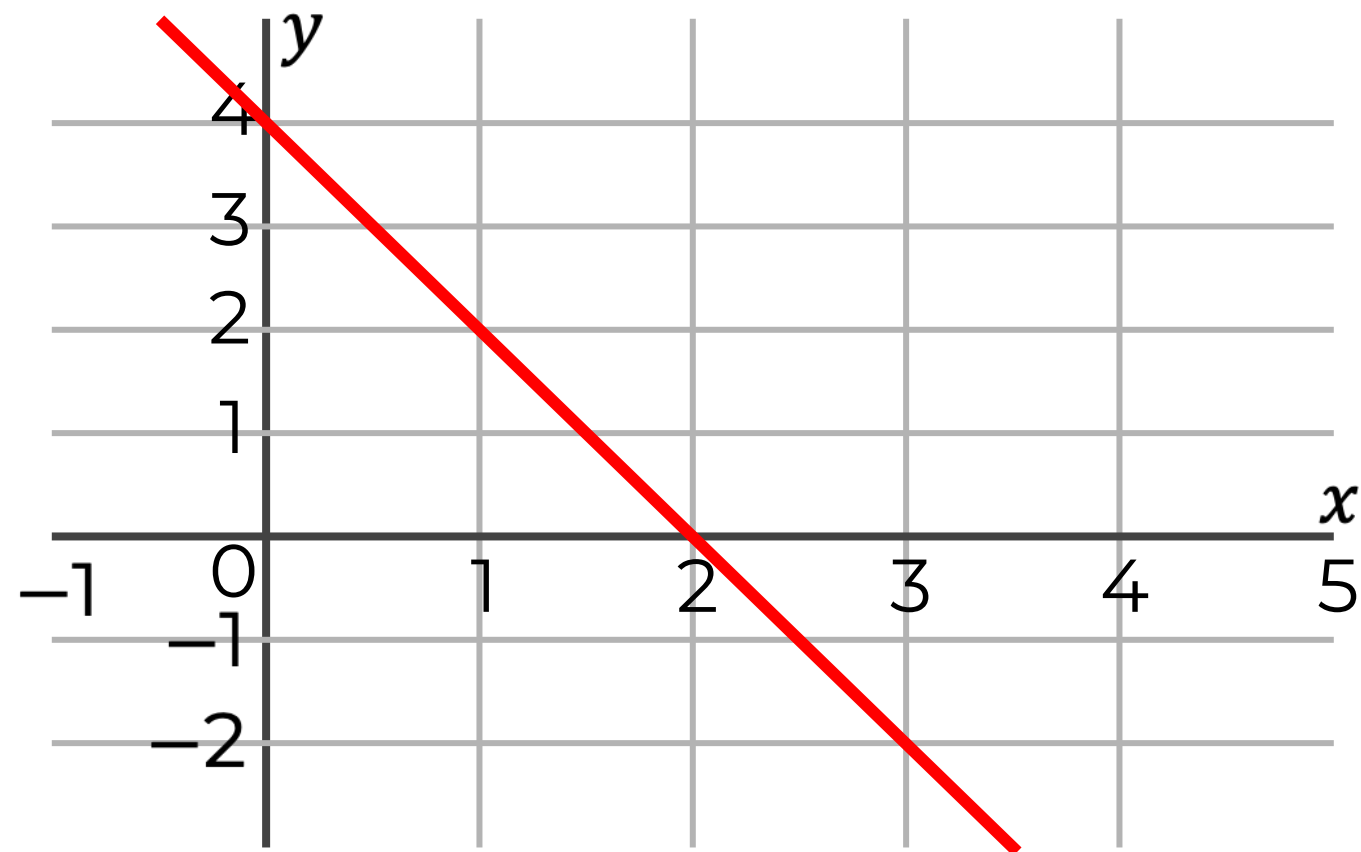
2. Represent the inequality on the coordinate grid.



# Representing inequalities on a coordinate grid

3. Write down the inequality represented by the shaded area on the coordinate grid.

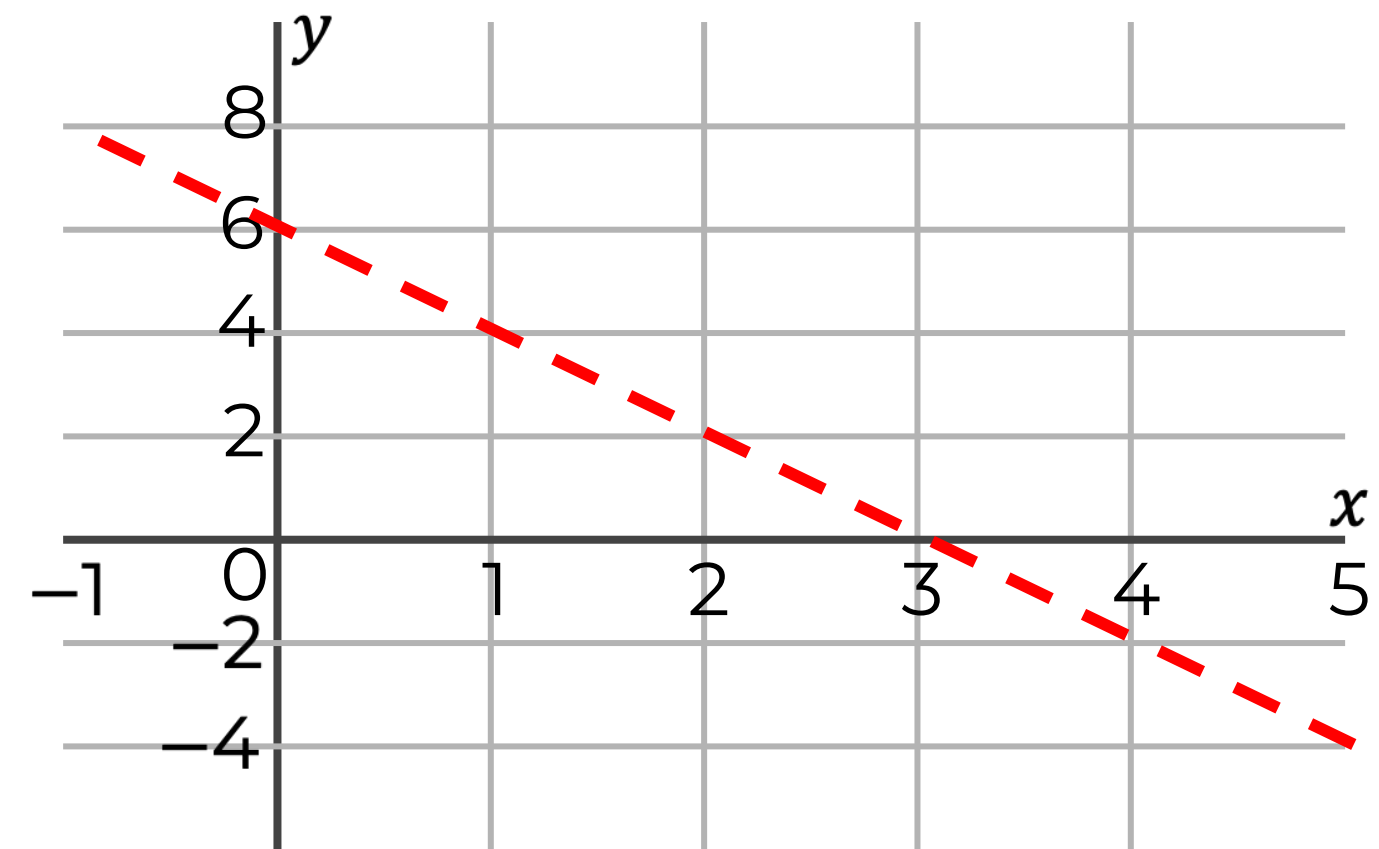
$$y \geq -2x + 4$$



4. Represent the inequality on the coordinate grid.

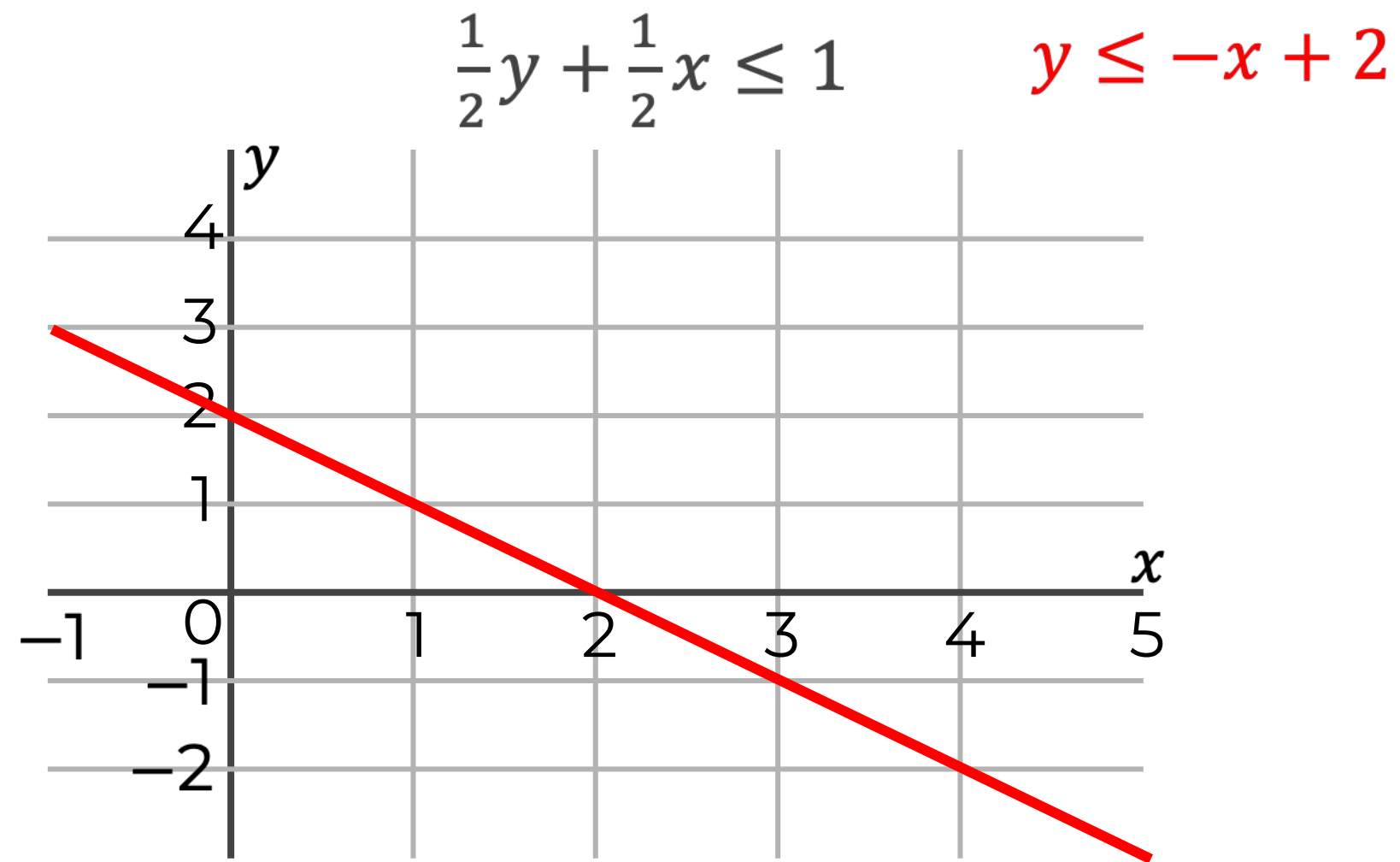
$$3y > -6x + 18$$

$$y > -2x + 6$$



# Representing inequalities on a coordinate grid

5. Represent the inequality on the coordinate grid.



6. Represent the inequality on the coordinate grid.

