Maths

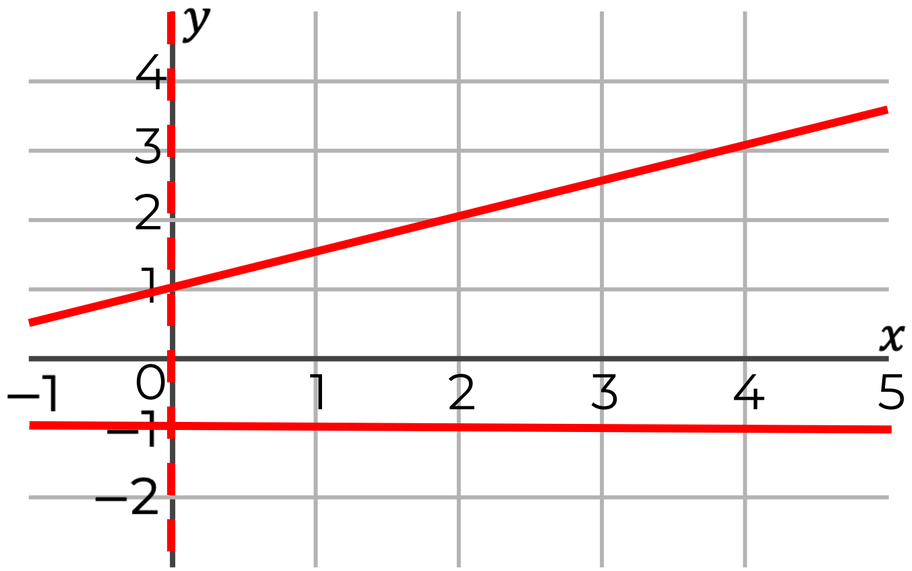
Identify Inequalities That Make Up Shaded Regions

Miss Davies

Please note some slides do have colour images on them

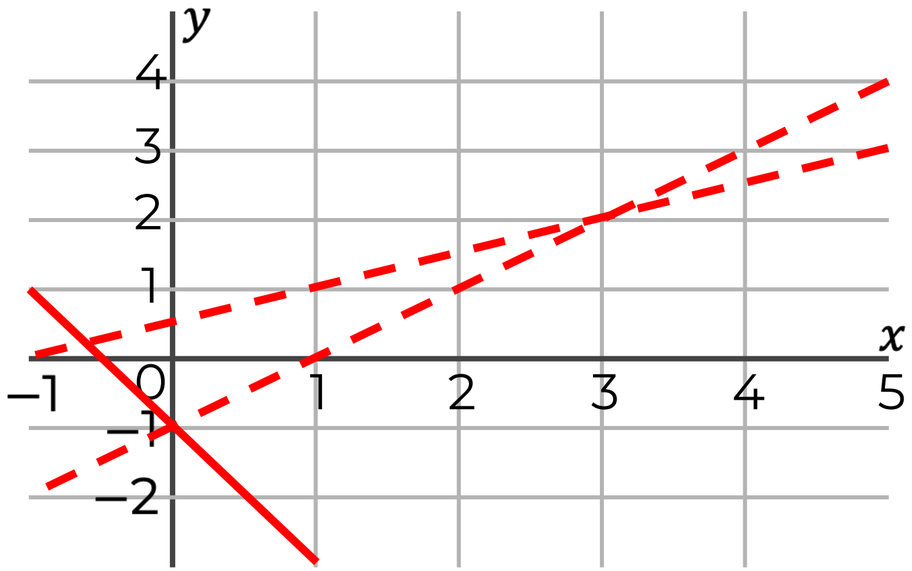
Identifying inequalities that make up shaded regions

1. State the inequalities that the shaded region satisfies.



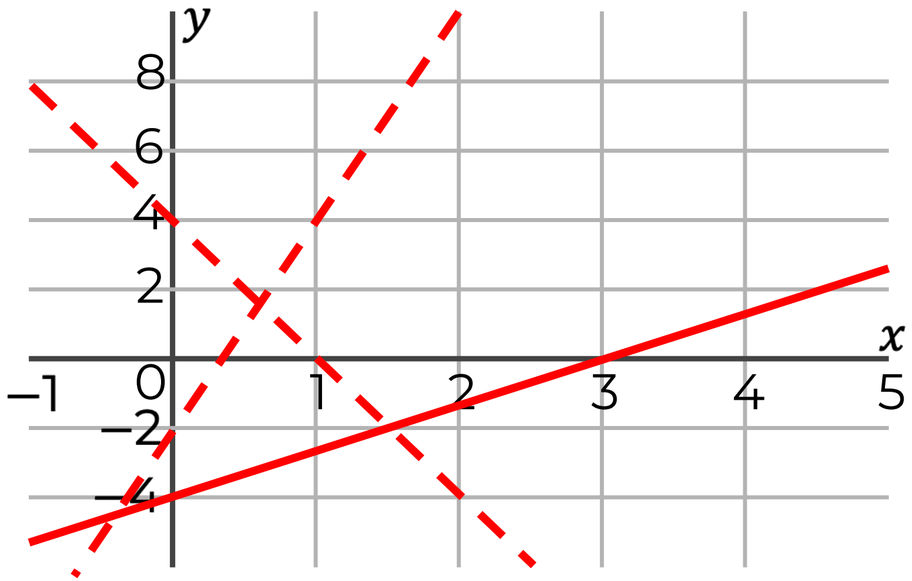
Identifying inequalities that make up shaded regions

2. State the inequalities that the shaded region satisfies.



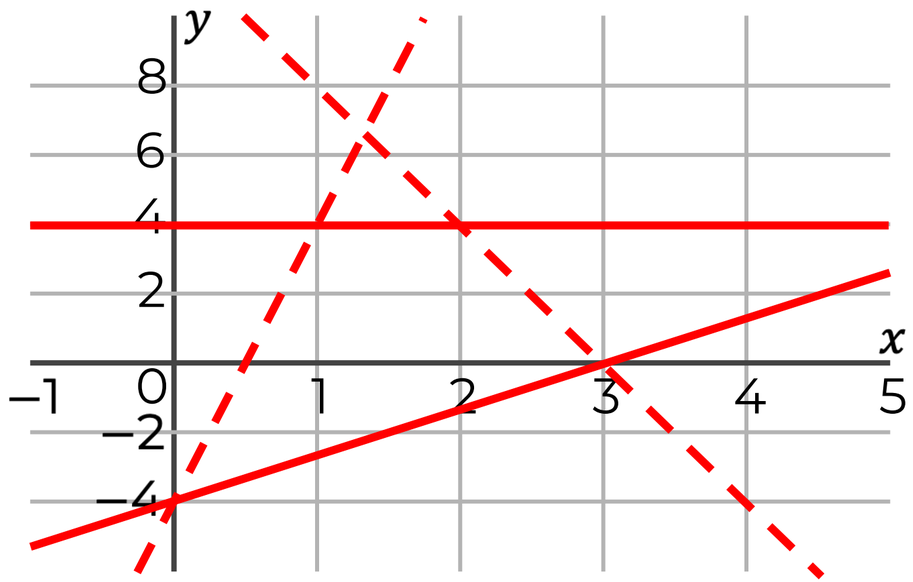
Identifying inequalities that make up shaded regions

3. State the inequalities that the shaded region satisfies.



Identifying inequalities that make up shaded regions

4. State the inequalities that the shaded region satisfies.

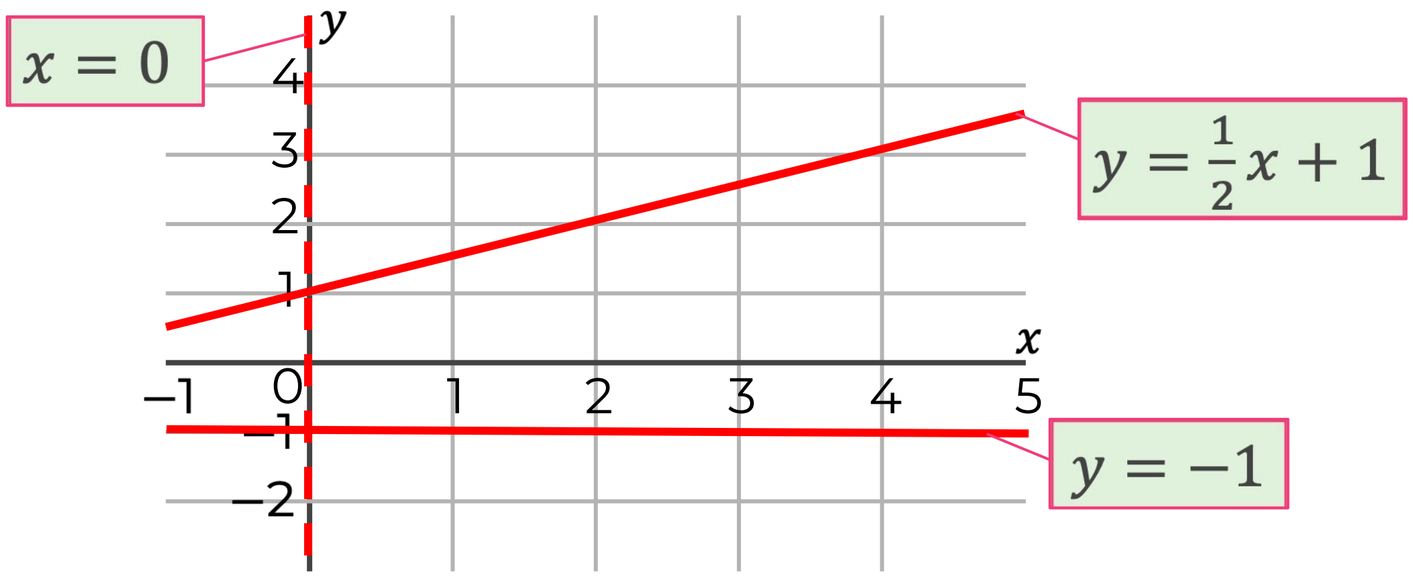


Answers

Identifying inequalities that make up shaded regions

1. State the inequalities that the shaded region satisfies.

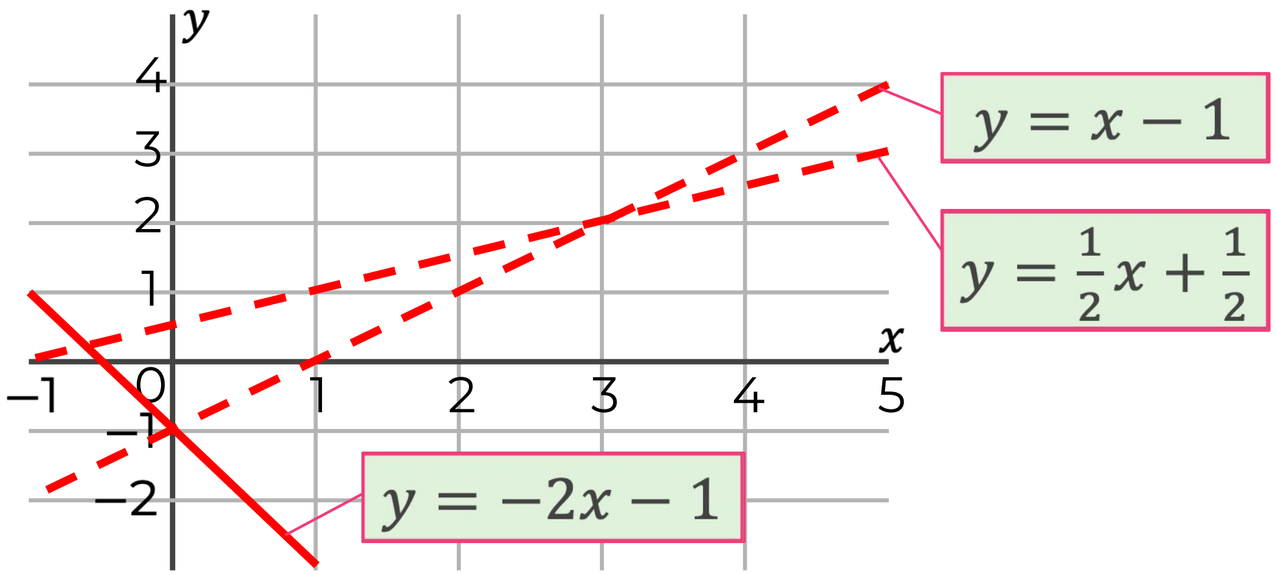
$x > 0$ $y \geq -1$ $y \leq \frac{1}{2}x + 1$



Identifying inequalities that make up shaded regions

2. State the inequalities that the shaded region satisfies.

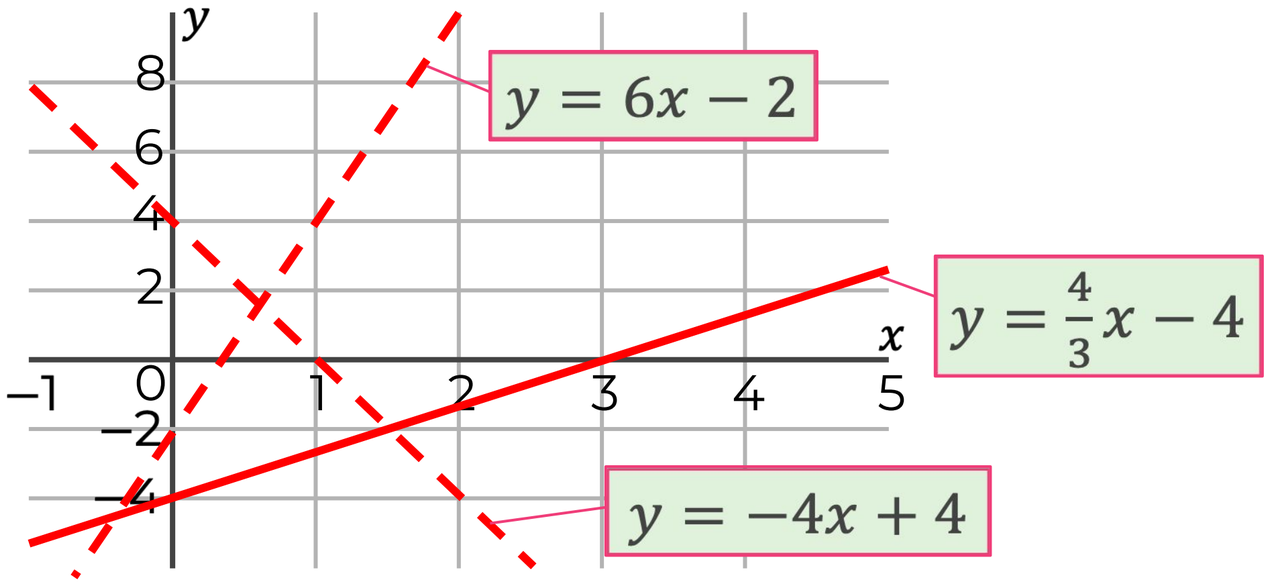
$y \geq -2x - 1$ $y < \frac{1}{2}x + \frac{1}{2}$ $y > x - 1$



Identifying inequalities that make up shaded regions

3. State the inequalities that the shaded region satisfies.

$y < -4x + 4$ $y > 6x - 2$ $y \geq \frac{4}{3}x - 4$



Identifying inequalities that make up shaded regions

4. State the inequalities that the shaded region satisfies.

$y \leq 4$ $y \geq \frac{4}{3}x - 4$

$y < 8x - 4$ $y < -4x + 12$