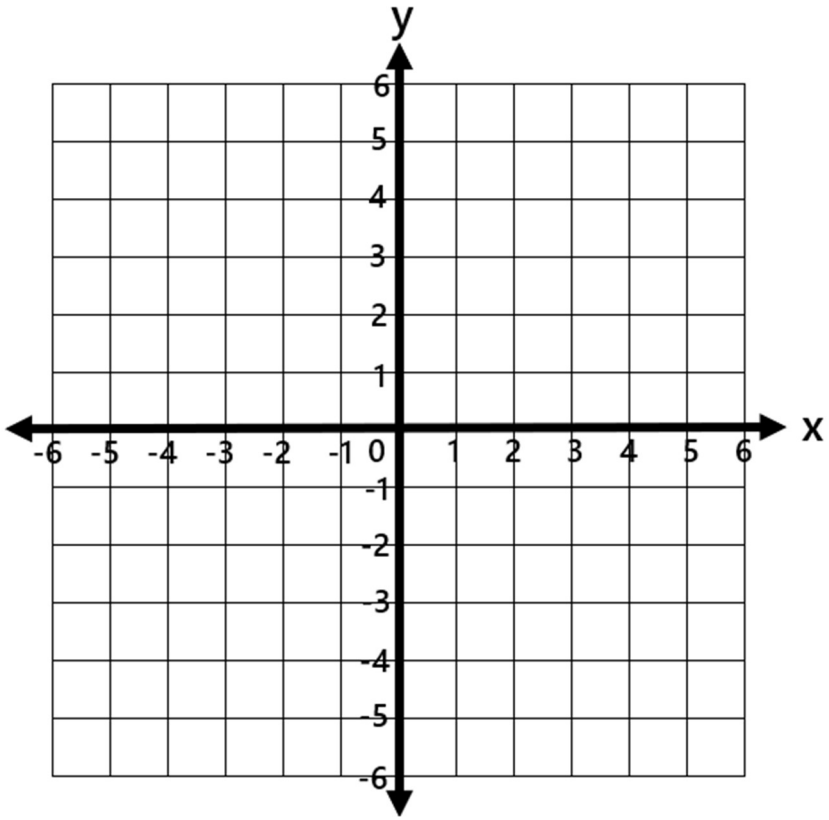
INEQUALITY REGIONS

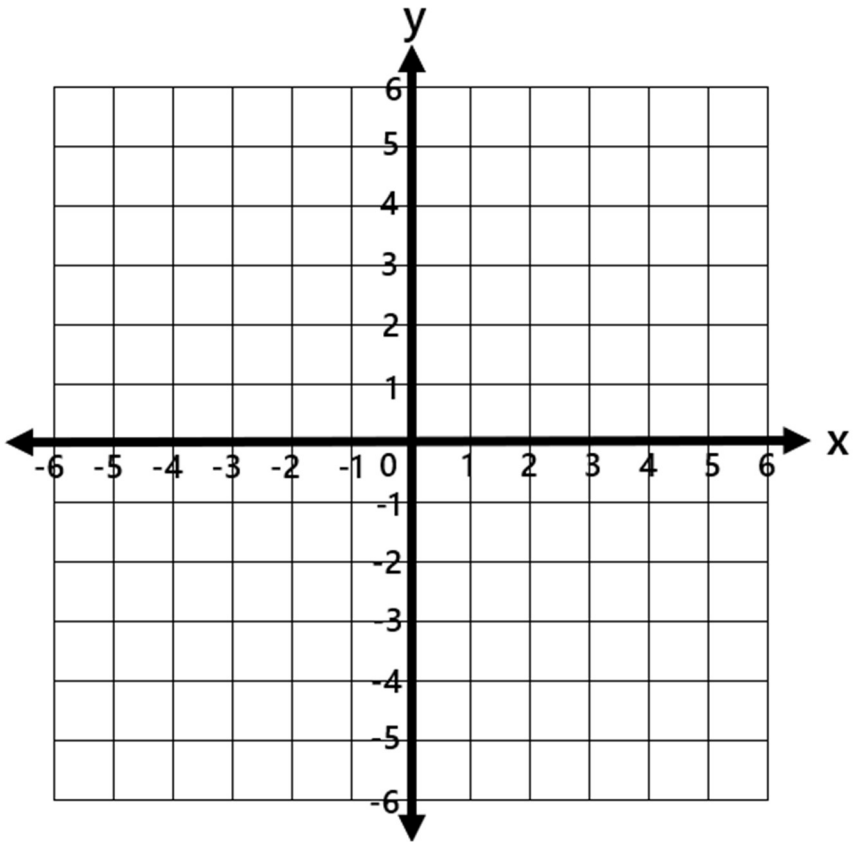
1) **Use the grid below to shade the region that satisfies the inequalities.**

$x \leq 2$ $y < 3$ $y \geq -x$



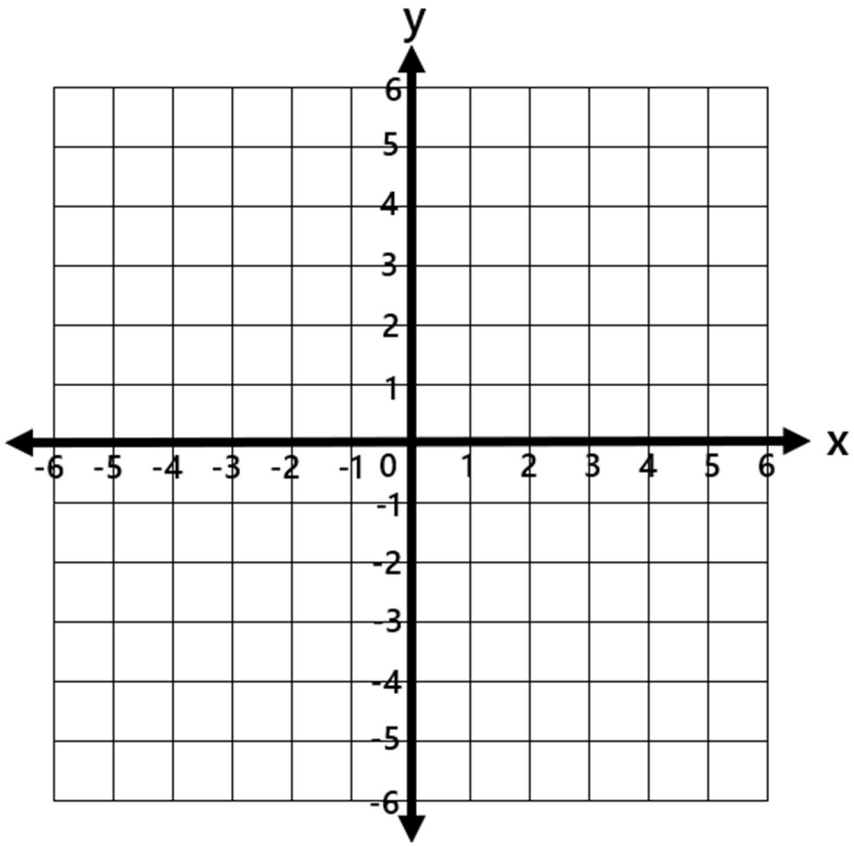
2) **Use the grid below to shade the region that satisfies the inequalities.**

$x < 3$ $y > -2x$ $y \geq x + 3$



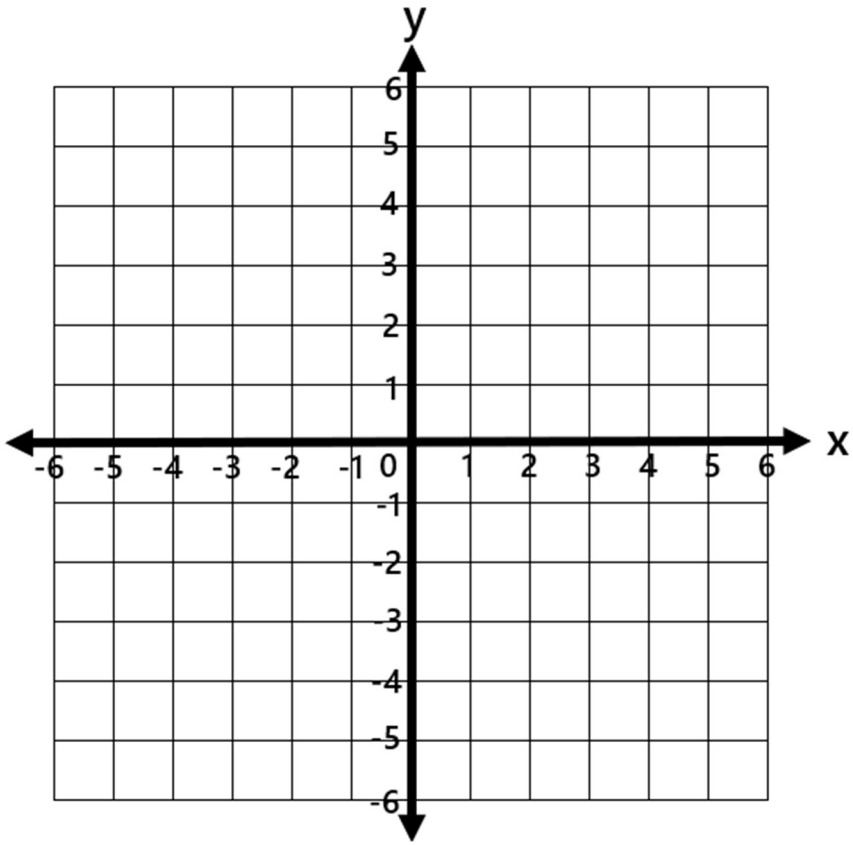
3) **Use the grid below to shade the region that satisfies the inequalities.**

$x \geq -5$ $y \leq -1$ $y \geq x$



4) **Use the grid below to shade the region that satisfies the inequalities.**

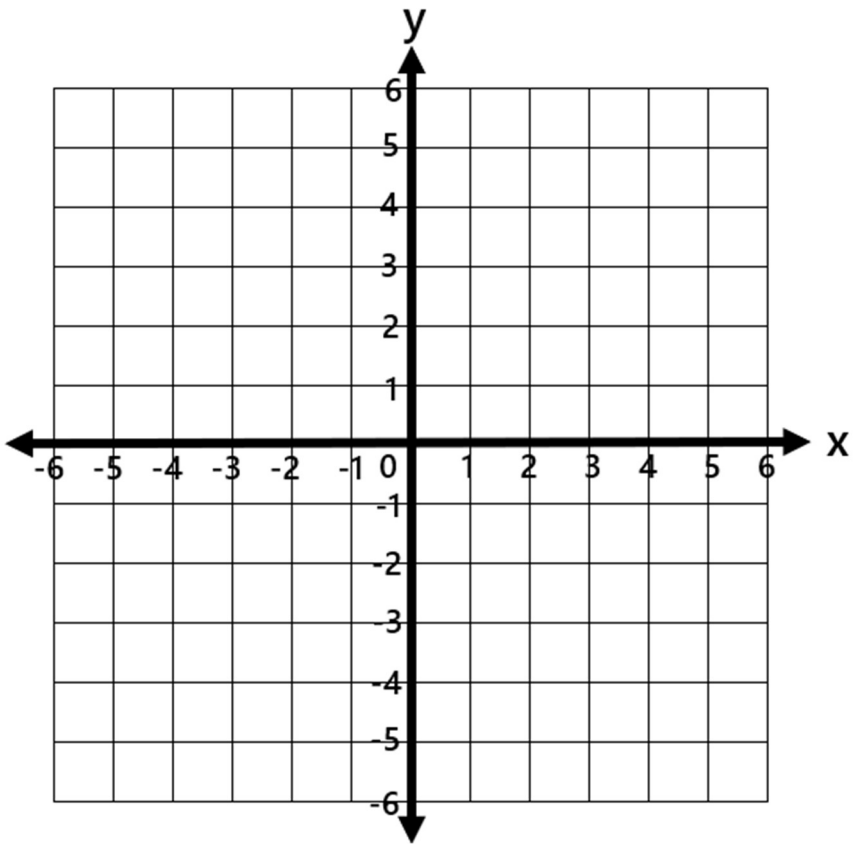
$y > 2x - 2$ $y \leq \frac{2}{3}x + 2$ $y > -2x - 1$



5) **Use the grid below to define the region that satisfies the inequalities.**

$3y \leq x + 6$ $2y + 4x \geq -4$ $y - 2x \geq -2$

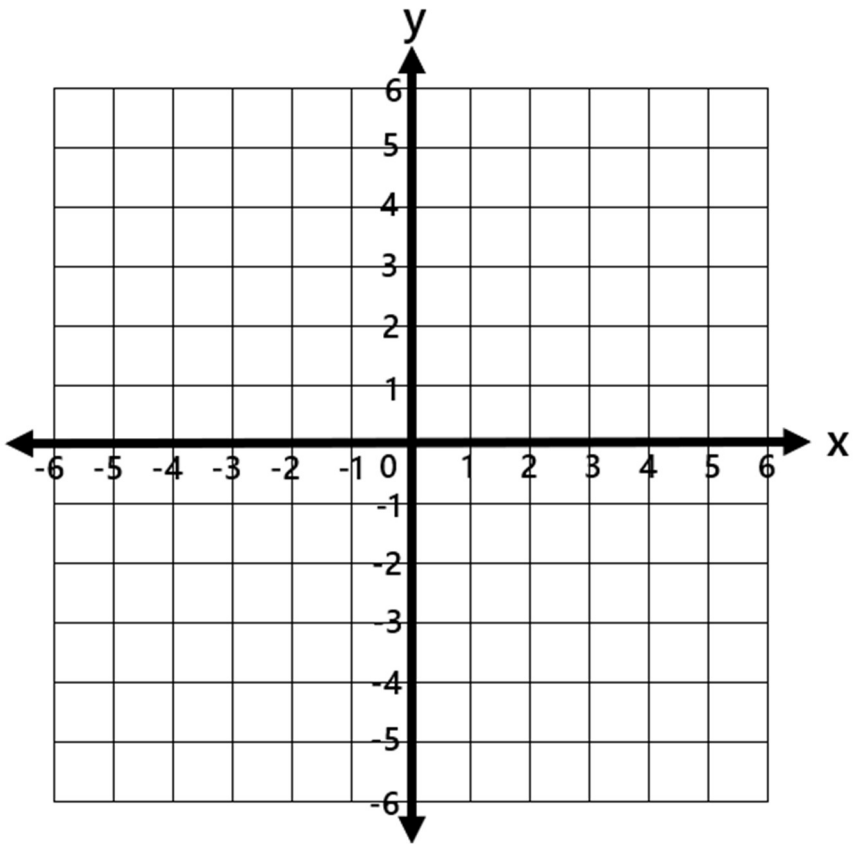
Label the region R.



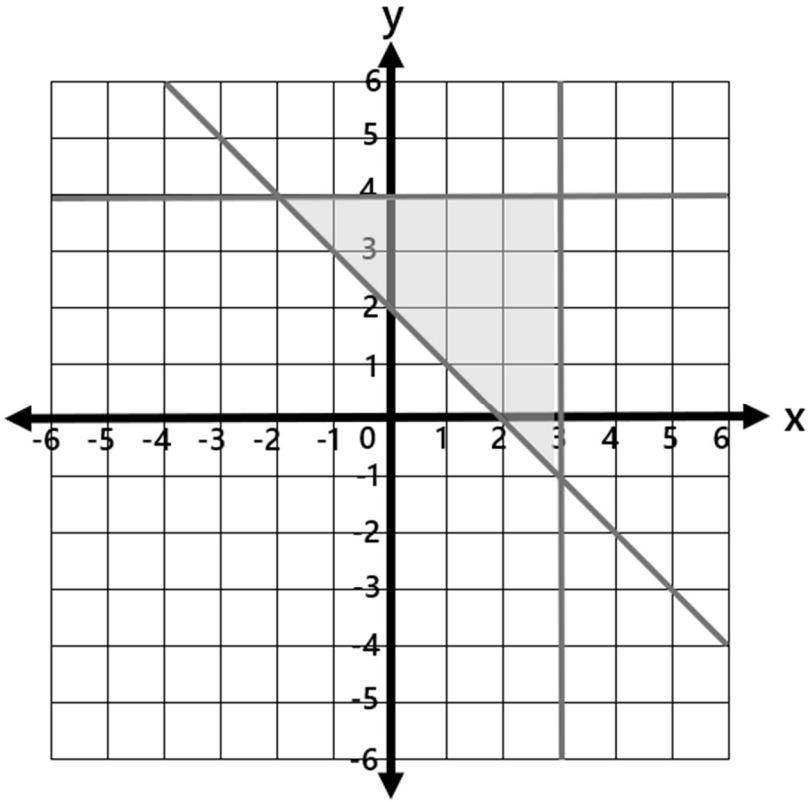
6) **Use the grid below to define the region that satisfies the inequalities.**

$y + 3 \leq 0$ $2y > 6x - 6$ $x + 2y + 8 \geq 0$

Label the region S.



7) Write down three inequalities that define the shaded region.



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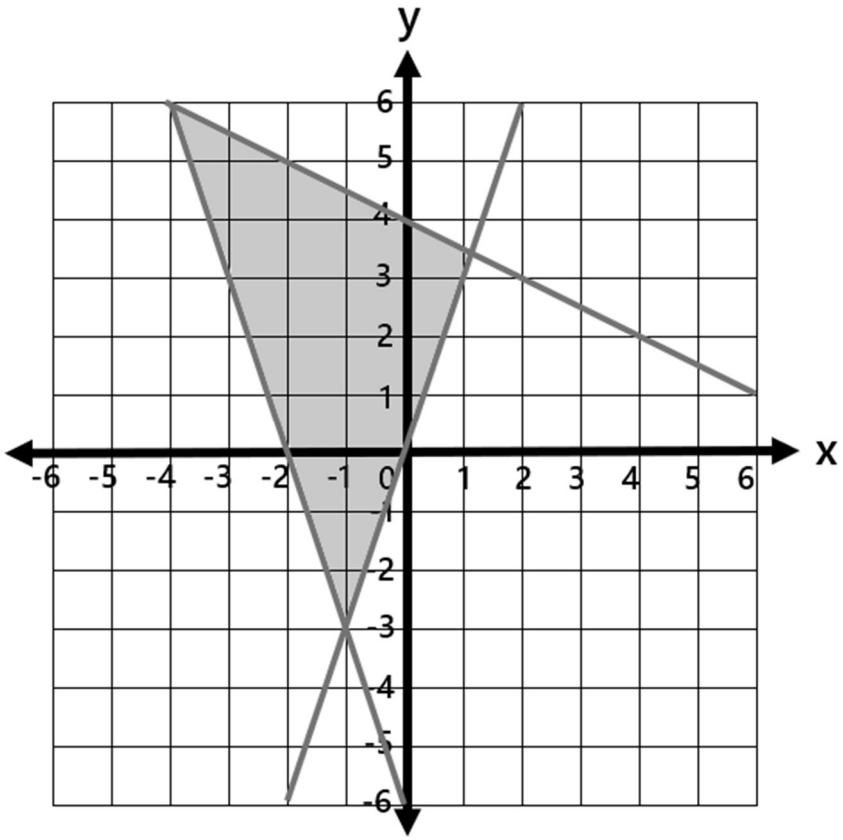
8) Write down three inequalities that define the shaded region.



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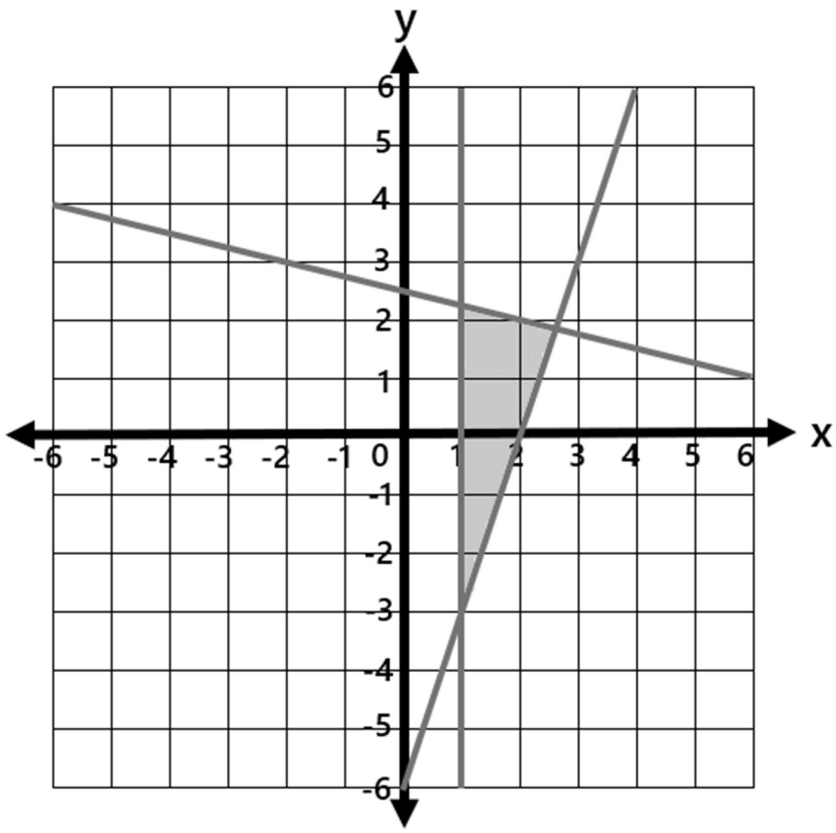
9) Write down three inequalities that define the shaded region.



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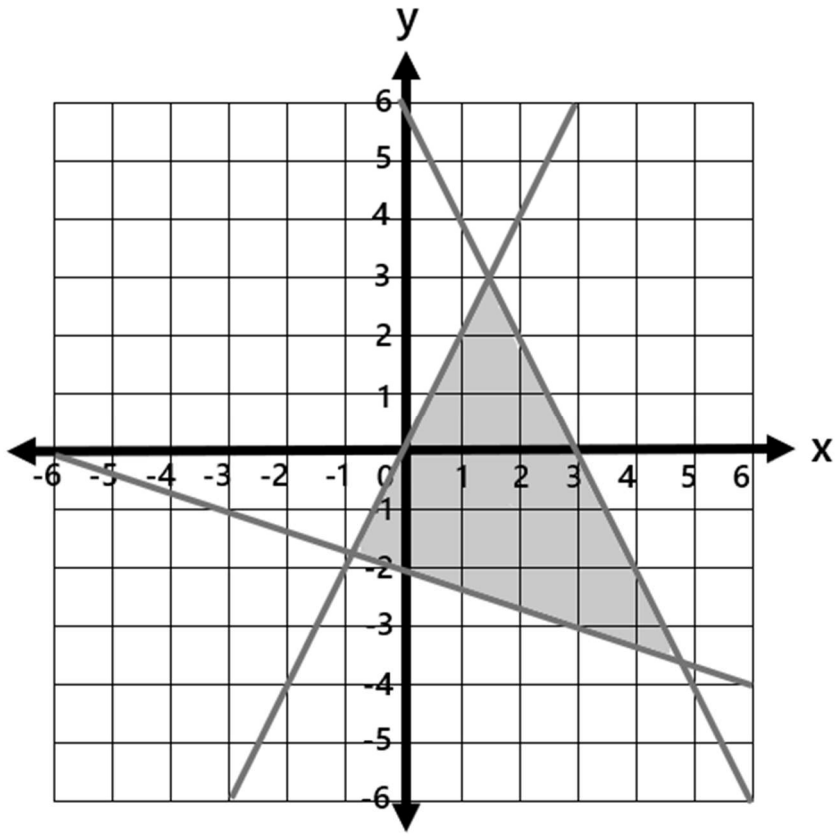
10) Write down three inequalities that define the shaded region.



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