

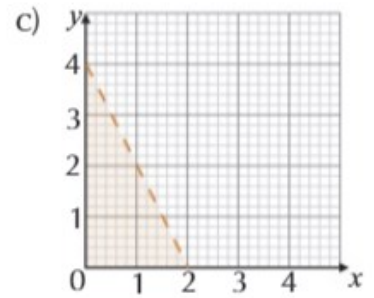
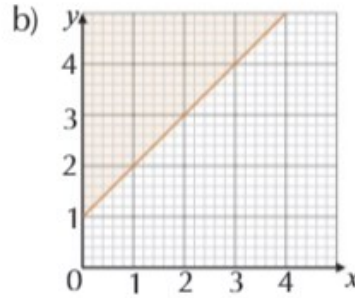
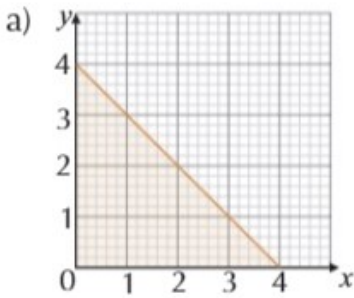
Name - _____

Start time - __: __

End time - __: __

Solve the following inequalities.

By first finding the equation of the line shown, write down the inequality represented by the shaded region in each of the following graphs.



Draw a graph and use shading to show the region R that satisfies the inequalities.

- $-2 < x < 3$ and $2 \leq y \leq 6$
- $y > -1$ and $y \leq x - 2$
- $x \leq 6$, $y > -1$ and $6 < 2x + 2y$
- $x < 6$, $x + y > -5$ and $y \leq 2x + 1$
- $y < 3x - 4$, $4y \geq x - 12$ and $x + y \leq 6$
- $y \geq x - 3$ and $4 < x + y$
- $x < 3$ and $3 \leq x - y$
- $x > -2$, $y < 5$ and $y > x + 4$
- $y > x - 2$ and $x + y \leq 4$
- $x + y \geq -4$ and $y \leq x + 5$
- $x > -5$, $y \geq x - 3$ and $x + y < 7$

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