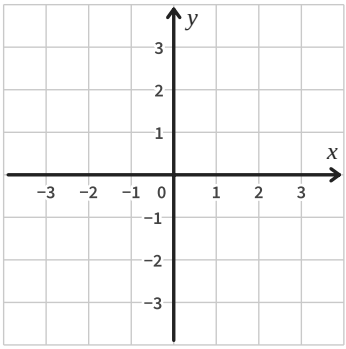
Inequalities and regions: shading a region *lesson handout*

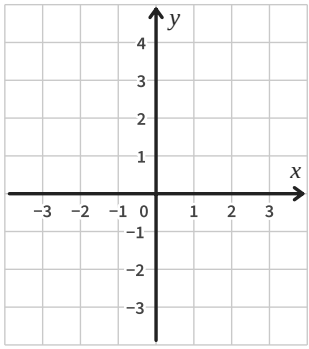
Recap

(a) Show $x > -1$.



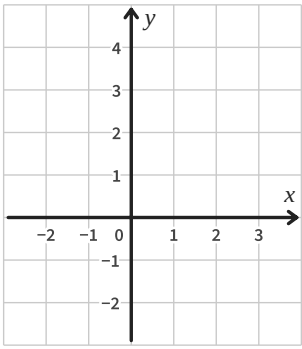
Recap

(b) Show $y \leq 2x + 1$.



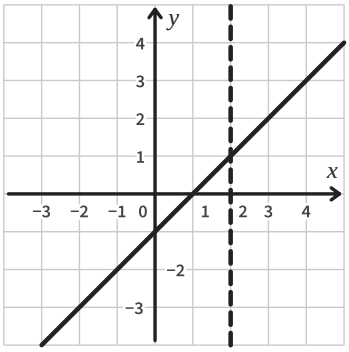
Recap

(c) Show $3x + y \geq 3$.



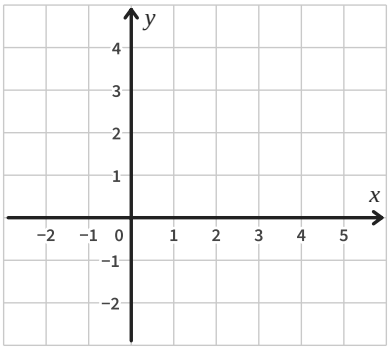
We do

Shade the region R where $x < 2$ and $y \geq x - 1$.



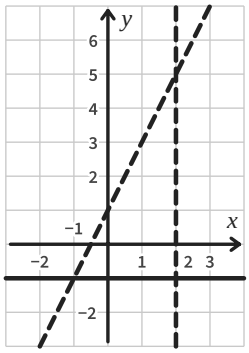
You do

Shade the region R where $y > -1$ and $x + y \leq 3$.



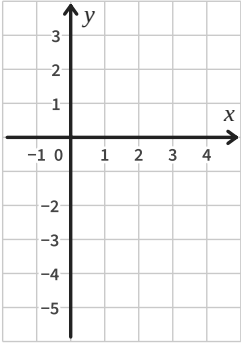
We do

Shade the region R where $y \geq -1$, $x < 2$ and $y < 2x + 1$.



You do

Shade the region R where $2x + y \geq 2$, $y \leq 2$ and $x < 3$.



You do

Shade the region R where $y \geq -1$, $y < x$ and $x \leq 3$.

