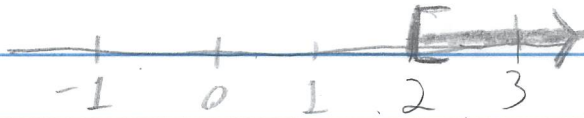


Exercises A. 9. 15 and 35

A. 9. 15 Express the given graph in interval notation and as an inequality:



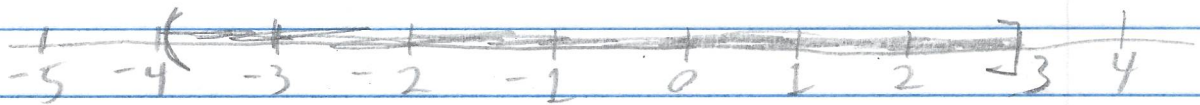
Solution

In interval notation, the graph represents  $[2, \infty)$ . As an inequality, this is represented as  $x \geq 2$  or  $2 \leq x < \infty$ .  $\square$

A. 9. 35 Write the interval  $(-4, 3]$  as an inequality and graph.

Solution

The interval  $(-4, 3]$  corresponds to inequality  $-4 < x \leq 3$  and the graph is



$\square$

Express the inequality  $x \geq 2$  in interval notation and graph.