

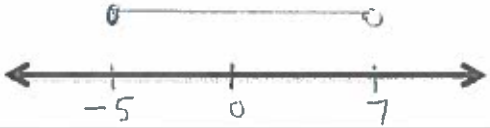

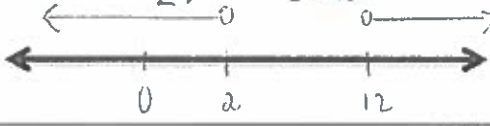

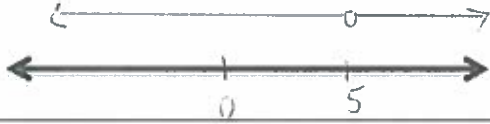
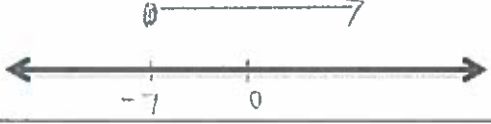
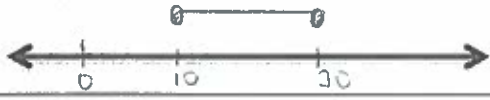

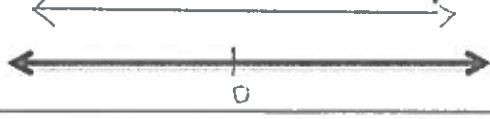
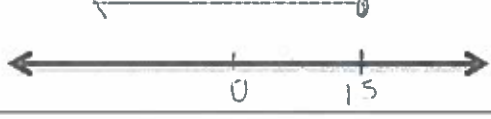

[15] 1. Graph the following:

$x > -5$ 	$4 < x \leq 12$
$-7 \leq x \leq -2$ 	$10 < x$
$x \neq 15$ 	$x > -1 \text{ and } x \leq -8$
$x \geq 0$ 	$x < 2.5$
$0 < x < 9.1$ 	$-11 \geq x$

[2] 2. What are the strict inequality symbols? How do you express a strict inequality symbol when graphing an inequality on a number line?

- $<$ and $>$
- empty circle \circ

[18] 3. Express each graph as an inequality. If any of the given inequalities can be expressed in more than one way, write it in both ways.

$-5 \leq x < 7$ 	$x \leq 100 \text{ and/or } x > 200$ 
$x < 2 \text{ and } x > 12$ $2 > x \text{ and } 12 < x$ 	$-5 < x < 4$ 
$x \neq 5$ 	$x \geq -7 \text{ OR } -7 \leq x$ 
$10 \leq x \leq 30$ 	$x < -7 \text{ or } -7 > x$ 
$x \in \mathbb{R} = -\infty < x < \infty$ 	$x \leq 15 \text{ OR } 15 \geq x$ 
$-6 < x \leq -1$ 	$x \geq -2 \text{ OR } -2 \leq x$ 