Linear Inequalities

[15]   1. Graph the following:

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

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

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   0   7

0   100   200

0   2   12

-5   0   4

0   5

-7   0

0   10   30

-7   0

0

0   15

-6   -1   0

-2   0