Name : _____ Score : _____

Translating Linear Inequalities

BS1

Translate each verbal phrase into an algebraic expression:

1)	5 is not more than x _____	2)	Value of x is greater than or equal to 14 _____
3)	x is greater than or equal to 12 _____	4)	6 is not less than x _____
5)	Value of x is greater than 7 _____	6)	x is greater than 15 _____
7)	x is not more than 13 _____	8)	9 is less than or equal to x _____
9)	Value of x is atleast 1 _____	10)	Value of x is less than 14 _____
11)	Value of x is less than or equal to 10 _____	12)	x is more than 3 _____
13)	16 is less than x _____	14)	Value of x is atmost 8 _____
15)	Value of x is not greater than 18 _____	16)	2 is more than x _____

Name: _____ Score:

> greater than
< less than
≥ greater than or equal to
≤ less than or equal to

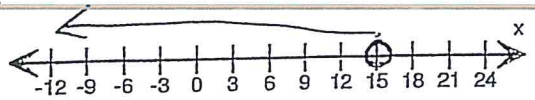
Graphing Inequalities

○ open >, <
● closed ≥, ≤

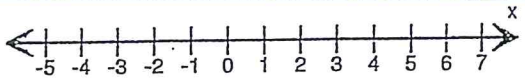
Graph the inequality:

example

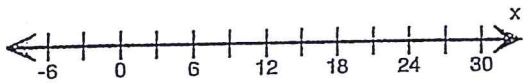
1) $x < 15$



2) $x \leq 5$

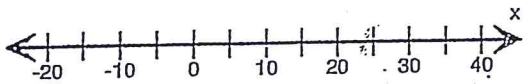


3) $x \geq 18$



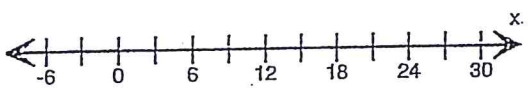
4) $x > 2$

5) $x \leq 20$

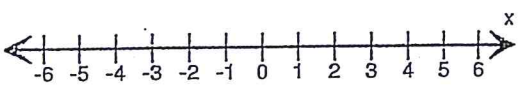


6) $x < 8$

7) $x > 12$



8) $x \leq 3$



9) $x \geq 24$

10) $x \leq -5$