Pre-Algebra Name Key

6.1: Solving One-Step Inequalities with Addition and Subtraction

Solve each inequality and graph its solution.

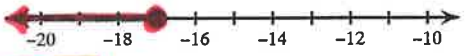
1) $-12 \geq -8 + b$

$b \leq -4$

2) $p + 17 > 2$

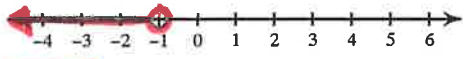
$p > -15$

3) $-9 \geq v + 8$



$v \leq -17$

4) $-11 > x - 10$



$x < -1$

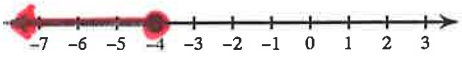
5) $-40 \leq -20 + m$

$m \geq -20$

6) $v - 14 > 1$

$v > 15$

7) $-8 \geq x + (-4)$

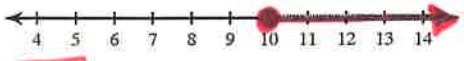


$x \leq -4$

8) $-17 > b - 15$

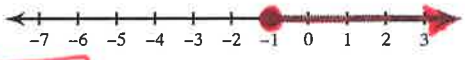
$b < -2$

9) $b - 20 \geq -10$



$b \geq 10$

10) $8 \leq k + 9$

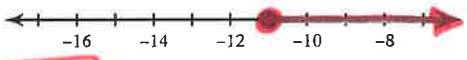


$k \geq -1$

11) $17 + n > 29$

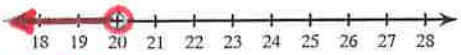
$n > 12$

12) $-17 \leq a - 6$



$a \geq -11$

13) $k + (-17) < 3$



$k < 20$

14) $6 + r > -8$

$r > -14$

15) $0 \geq p + 12$

$p \leq -12$