Kuta Software - Infinite Pre-Algebra

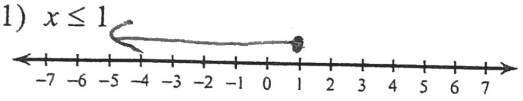
Name Key

Inequalities and Their Graphs

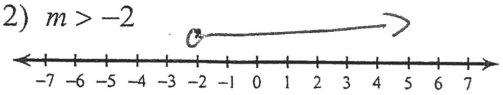
Date _____ Period ____

Draw a graph for each inequality.

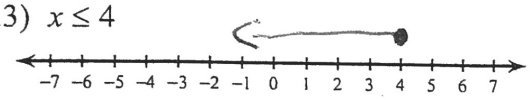
1) $x \leq 1$



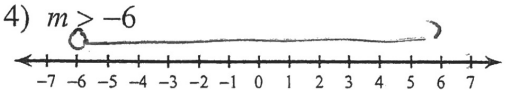
2) $m > -2$



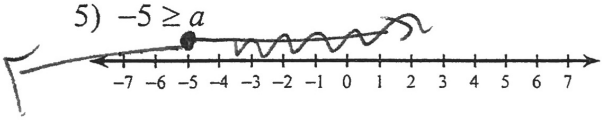
3) $x \leq 4$



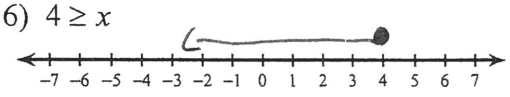
4) $m \geq -6$



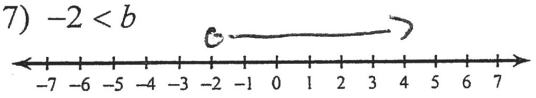
5) $-5 \geq a$



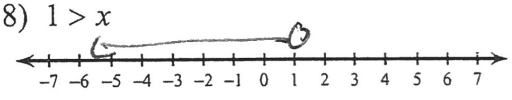
6) $4 \geq x$ $x \leq 4$



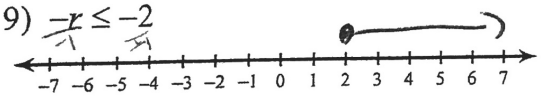
7) $-2 < b$ $b > -2$



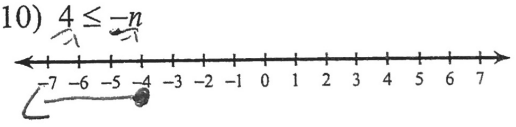
8) $1 > x$ $x < 1$



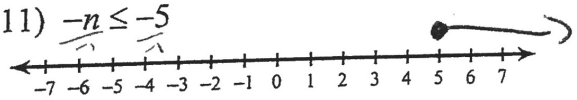
9) $\frac{-r}{-1} \leq \frac{-2}{-1}$ $r \geq 2$



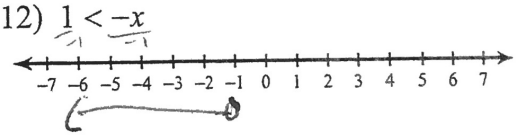
10) $\frac{4}{-1} \leq \frac{-n}{-1}$ $-4 \geq n$ $n \leq -4$



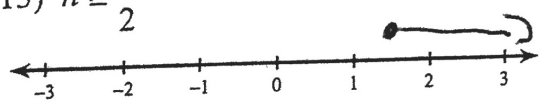
11) $\frac{-n}{-1} \leq \frac{-5}{-1}$ $n \geq 5$



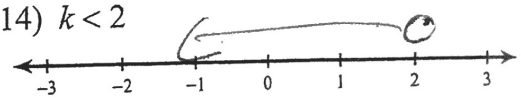
12) $\frac{1}{-1} < \frac{-x}{-1}$ $-1 > x$ $x < -1$



13) $n \geq \frac{3}{2}$



14) $k < 2$



Kuta Software - Infinite Pre-Algebra

Name_____

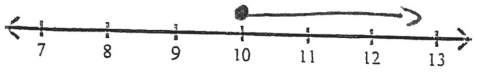
Solving One-Step Inequalities by Adding/Subtracting

Date_____ Period____

Solve each inequality and graph its solution.

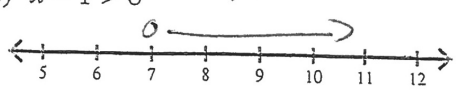
1) $x + 8 \geq 18$

$x \geq 10$



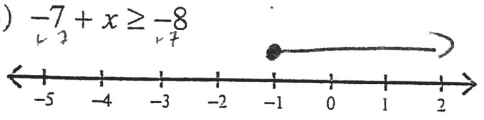
2) $x - 1 > 6$

$x > 7$



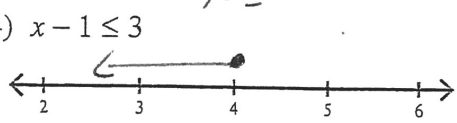
3) $-7 + x \geq -8$

$x \geq -1$.



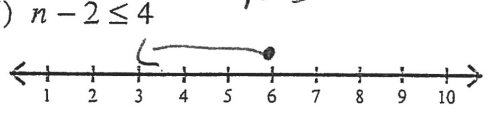
4) $x - 1 \leq 3$

$x \leq 4$



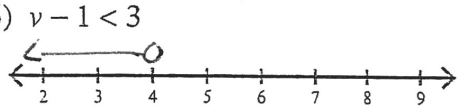
5) $n - 2 \leq 4$

$n \leq 6$



6) $v - 1 < 3$

$v < 4$



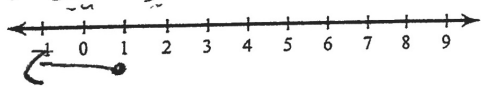
Solving One-Step Inequalities by Multiplying/Dividing

Date_____ Period____

Solve each inequality and graph its solution.

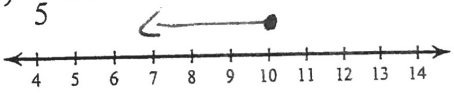
1) $-4m \geq -4$

$m \leq 1$



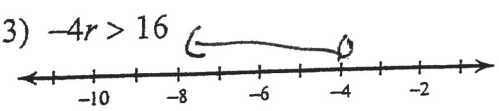
2) $\frac{n}{5} \leq 2$

$n \leq 10$



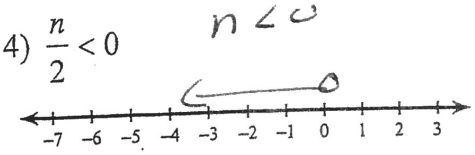
3) $-4r > 16$

$r < -4$



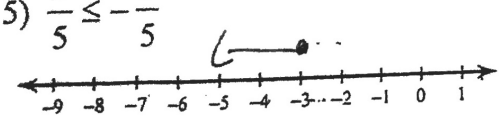
4) $\frac{n}{2} < 0$

$n < 0$



5) $\frac{x}{5} \leq -\frac{3}{5}$

$x \leq -3$



6) $\frac{x}{2} \geq 3$

$x \geq 6$