

* Show algebra steps

Kuta Software - Infinite Algebra 1

Name _____

Two-Step Inequalities

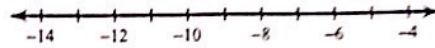
Date _____ Period _____

Solve each inequality and graph its solution.

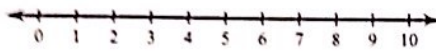
1) $2x + 4 \geq 24$



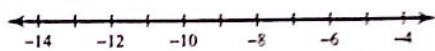
2) $\frac{m}{3} - 3 \leq -6$



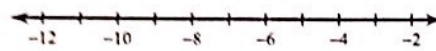
3) $-3(p + 1) \leq -18$



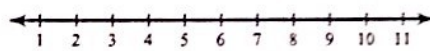
4) $-4(-4 + x) > 56$



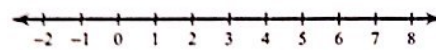
5) $-b - 2 > 8$



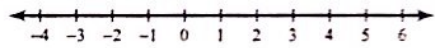
6) $-4(3 + n) > -32$



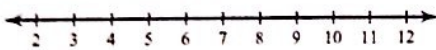
7) $4 + \frac{n}{3} < 6$



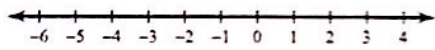
8) $-3(r - 4) \geq 0$



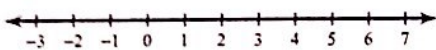
9) $-7x + 7 \leq -56$



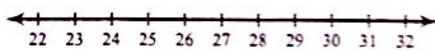
10) $-3(p - 7) \geq 21$



11) $-11x - 4 > -15$

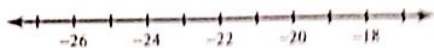


12) $\frac{-9 + a}{15} > 1$



remember to flip sign if \times or \div by a negative #.

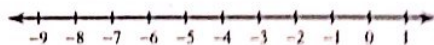
$$13) -1 \leq \frac{v-2}{21}$$



$$14) -132 > 12(n+9)$$



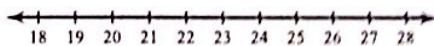
$$15) \frac{-11+n}{15} < -1$$



$$16) -90 \geq -5(k-3)$$



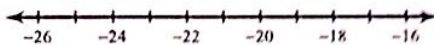
$$17) 4 < 1 + \frac{n}{7}$$



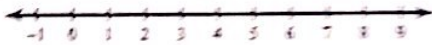
$$18) -1 > \frac{12+x}{4}$$



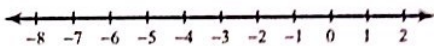
$$19) 7n - 1 > -169$$



$$20) -4b - 5 > -25$$



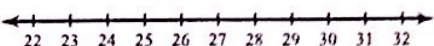
$$21) 84 \geq -7(v-9)$$



$$22) \frac{-8+r}{2} > -8$$



$$23) \frac{x}{-6} - 8 \leq -12$$



$$24) \frac{m-3}{2} \leq 5$$

