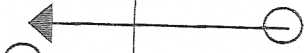

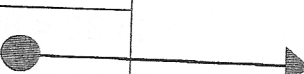
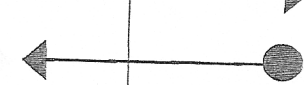


Solving Inequalities

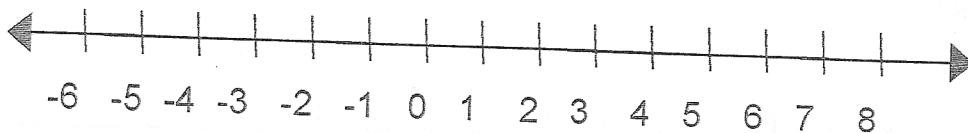
Math 7

Name _____
Date _____

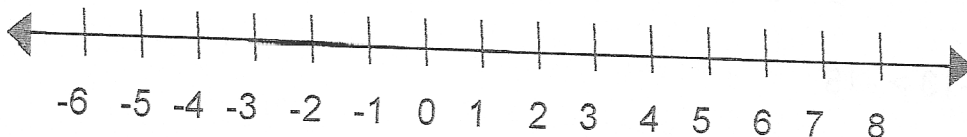
Inequality Symbol	Phrase	Graphing Symbol
$<$	less than	
$>$	greater than	
\leq	less than or equal to	
\geq	greater than or equal to	

Examples

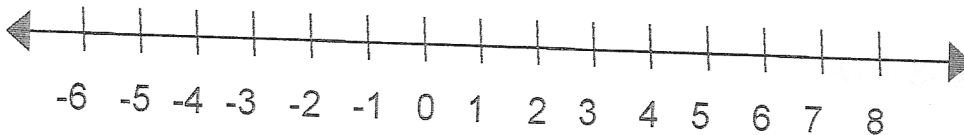
1) $n - 5 \geq 2$



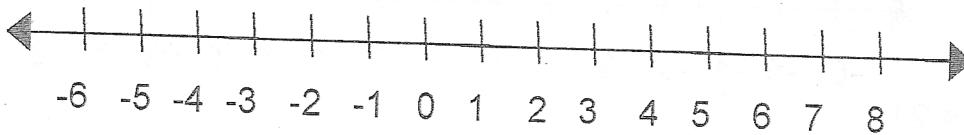
2) $13 > 7 + b$



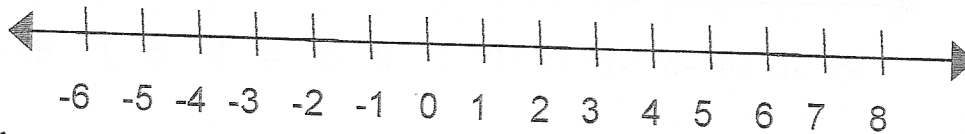
3) $\frac{w}{2} > -3$



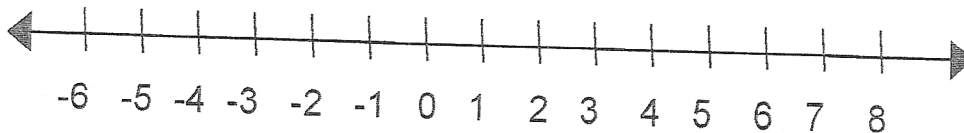
4) $6d > -18$



5) $a - 4 \leq 3$

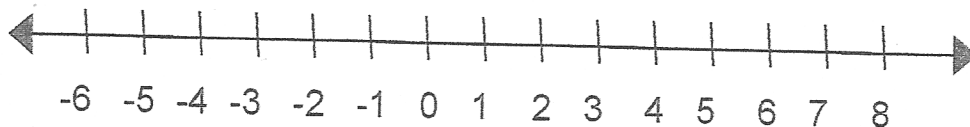


6) $-1 \geq \frac{x}{3}$

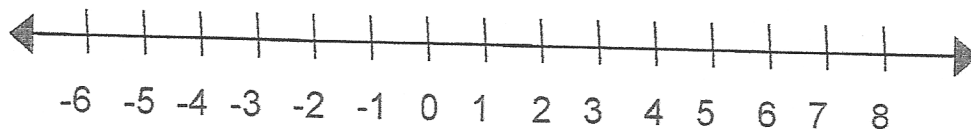


You try:

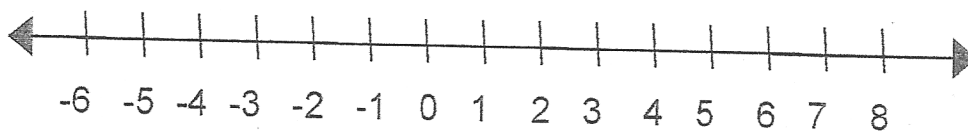
1) $5 \geq p+2$



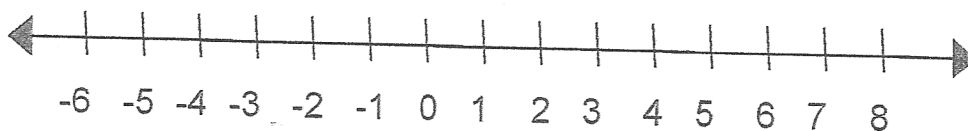
2) $32 < 8b$



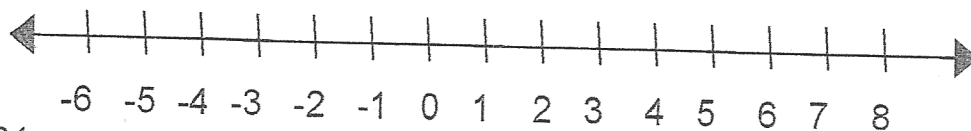
3) $\frac{h}{5} \leq 0$



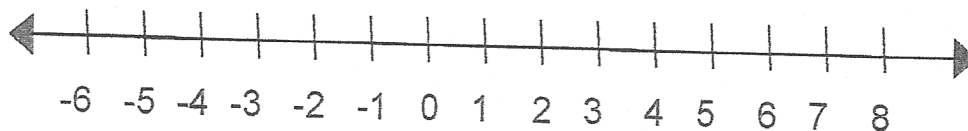
4) $k-13 > -18$



5) $4 \leq -3 + w$



6) $3t < 21$



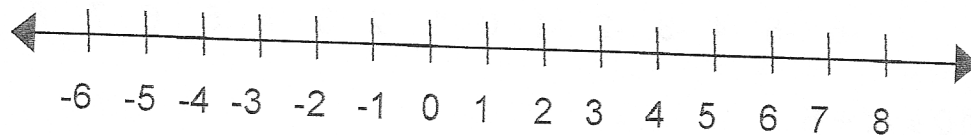
Solving 2-Step Inequalities

Math 7

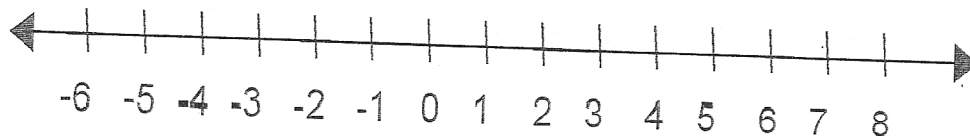
Name _____

Date _____

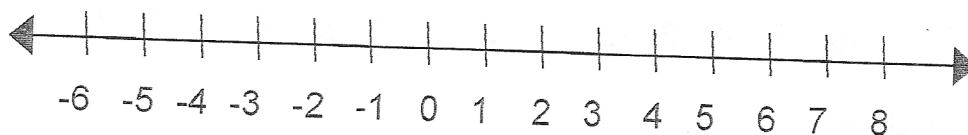
1) $3x + 12 < 18$



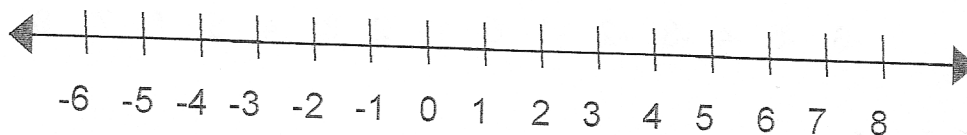
2) $-8 > 3h - 2$



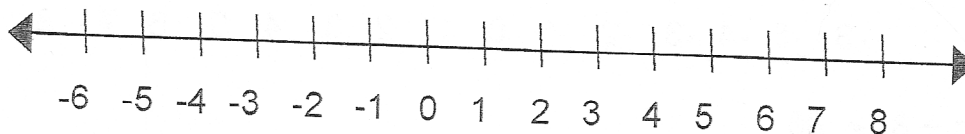
3) $7 + \frac{x}{4} \geq 9$



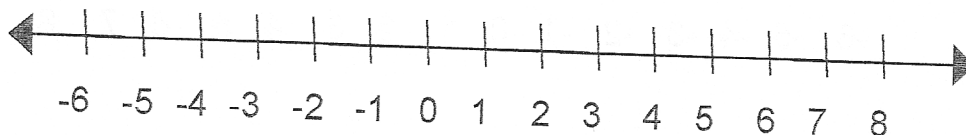
4) $5t - 5 > -5$



5) $4 > \frac{s}{3} + 2$

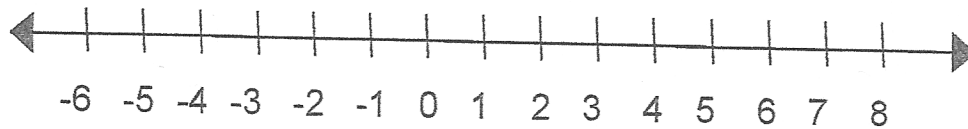


6) $4(y - 5) \leq -24$

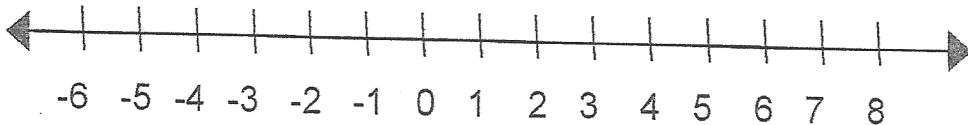


On Your Own

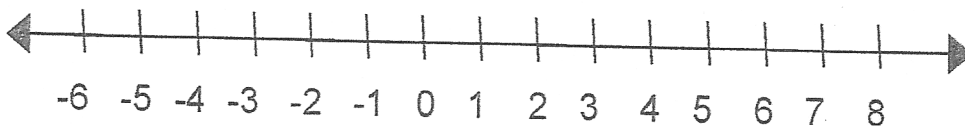
1) $6x - 12 < 18$



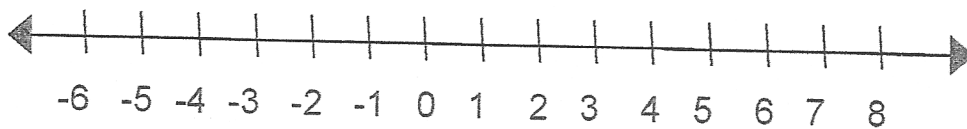
2) $-10 \leq 4f + 6$



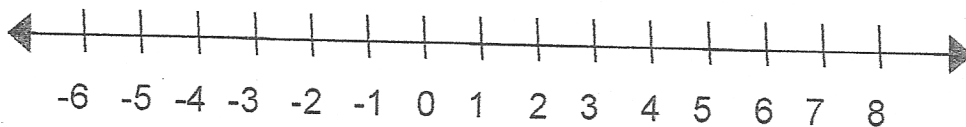
3) $14 + \frac{v}{3} \geq 12$



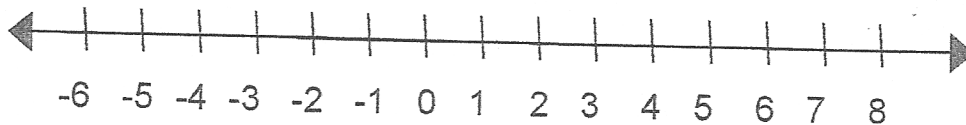
4) $2 + 3d > 8$



5) $41 \geq \frac{c}{2} + 37$



6) $5(q + 8) \leq 80$

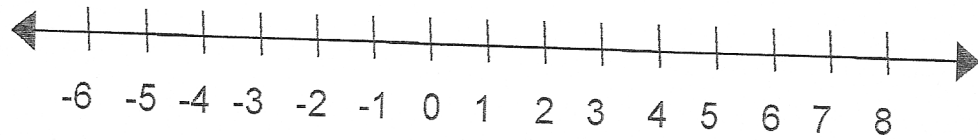


Math 7 Solving and Graphing Inequalities Homework

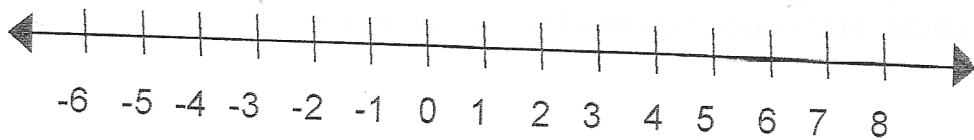
Name _____

Date _____

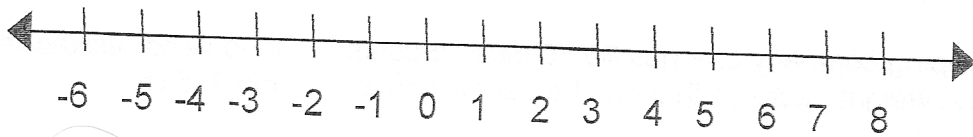
1) $j < 5$



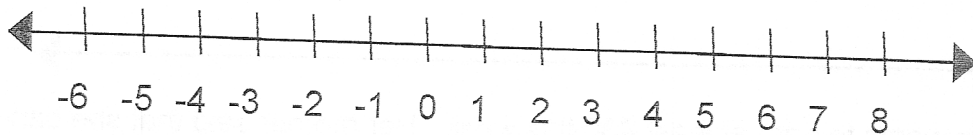
2) $z + 7 \leq 4$



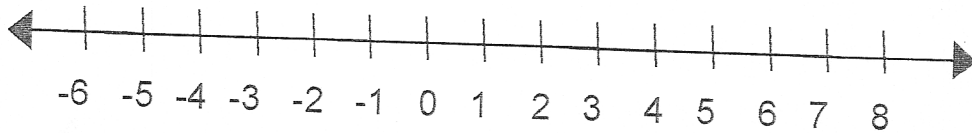
3) $6g > -36$



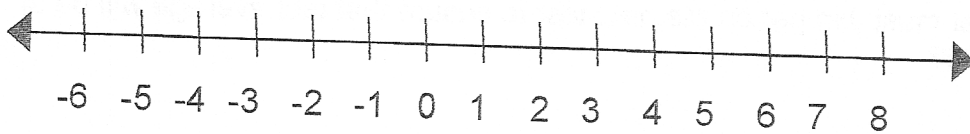
4) $7X + 8 > 36$



5) $-4 \geq \frac{r}{4} - 3$



6) $7(x - 12) \leq -98$



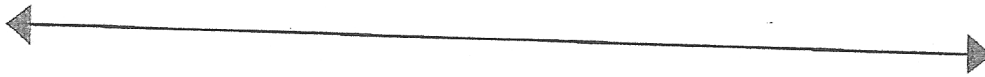
Math 7/8: Applying Solving Inequalities to Word Problems Homework

Name _____

- 1) The sum of four consecutive odd integers is equal to 320. Set up an equation and find the values for these four odd numbers.



- 2) The cost of making a phone call is \$0.40 plus \$0.07 for each additional minute. Find the number of minutes you can talk for \$2.00 or less.



- 3) A shipping company charges \$3.50 plus 55 cents per lb to send packages. What is the largest weight package that can be sent for no more than \$25.00?



- 4) Fiona wants to earn at least \$30 this week. Her mother said that she can earn \$8.00 for organizing the pantry, and \$3.50 per hour for babysitting. Set up and solve an inequality to find out how many hours Fiona needs to babysit to earn at least \$30.



- 5) Jim has the following test grades this quarter: 85, 74, 82, 89, and 94. What must Jim get on the next test to ensure that test average will be at an 86?

