

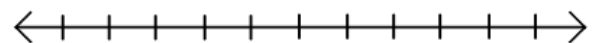
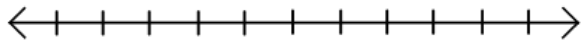
Notes 4-7
Solving Two-Step
Inequalities

Int 1**Unit 4**

INSTRUCTIONS: Solve each inequality using inverse operations, then graph your answer on the number line provided. Remember, you can check your answers.

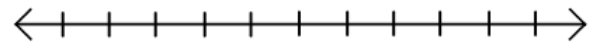
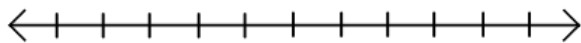
1) $6n + 5 < 13$

5) $17 < 5 - 3m$



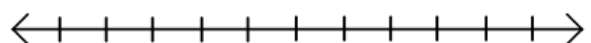
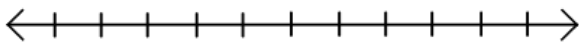
2) $-6 \geq 14 - 5z$

6) $-2y - 6 \geq -18$



3) $3p + (-7) > -10$

7) $\frac{y-7}{8} < -5$



4) $\frac{x}{14} + 5 \geq 15$

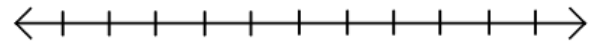
8) $\frac{y+7}{-3} < -4$



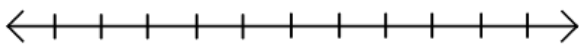
INSTRUCTIONS: Solve each inequality using inverse operations, then graph your answer on the number line provided. Remember, you can check your answers.

9) $\frac{y-5}{-8} \geq 8$

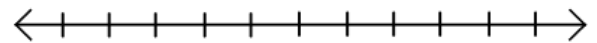
11) $5f + (-2) < 6$



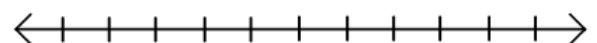
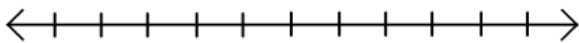
12) $-6n + 5 < -4$



10) $30 > \frac{x}{-6} + 23$



13) $-3 - 7v < -24$



INSTRUCTIONS: Solve each inequality using inverse operations.

14) $-1 + 4x \leq 31$

16) $-1 \geq -2 + \frac{r}{9}$

15) $\frac{r}{5} - 11 \geq -10$

17) $-16 + 2b < 13$

INSTRUCTIONS: Solve each inequality using inverse operations.

18) $5 + \frac{n}{2} > 8$

23) $\frac{p}{-1} + 6 \leq 15$

19) $-4(x - 3) > -16$

24) $8 + \frac{v}{3} \geq 10$

20) $-40 < 5 + 7x$

25) $\frac{x+11}{-4} \geq -2$

21) $9(x + 7) \geq 198$

26) $18 > 2(v + 12)$

22) $-6 > \frac{m}{3} - 13$

27) $-4g - (-3) < 21$