

**Practice - Solving Single Step Inequalities**

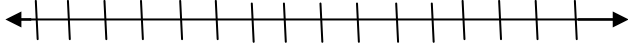
pp 168-170, 174-176, 180-182

Name \_\_\_\_\_ Date \_\_\_\_\_ Per \_\_\_\_\_

**Solve and graph the following inequalities. Remember to check your work.**

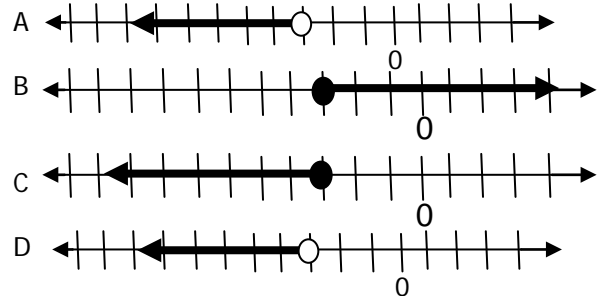
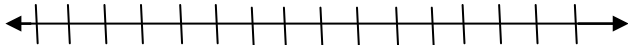
1.  $-8 > 3 + n$

2.  $-5x > -25$



3.  $7 < -x$

4. Which graph shows the solution of  $\frac{-2}{3}n \leq 2$ ?

**Solve each inequality. Then check your solution.**

5.  $\frac{2}{3}x < -22$

6.  $51 \leq x - (-49)$

7.  $-3x \leq -15$

8.  $-\frac{3m}{4} < \frac{2}{3}$

**Define a variable, write an inequality, and solve each problem.**

9. The difference of a number and four is greater than forty-two.

10. Three-fourths of a number is at most -18.

11. A number divided by 7 is at least negative three.

12. Negative four times a number is no less than 204.

13. Claudia can spend up to \$1500 on paper for her business this year. Paper costs \$32 per box. Which inequality represents the number of boxes of paper  $p$  she can buy this year?

F  $32p \leq 1500$

G  $32p \geq 1500$

H  $32 + p \geq 1500$

J  $32 + p \leq 1500$