Module: Solving Linear Inequalities   Name:
Lesson: Solving Inequalities by Using   Date:
        Multiplication and Division   Period:

Homework: Solve each inequality. Then check your solution.

1. $7a \leq 49$

2. $-5w > -125$

3. $4 < -x$

4. $\dfrac{b}{-12} \leq 3$

5. $\dfrac{2}{3}w > -22$

6. $-15b < -30$

7. $\dfrac{3}{7}h < \dfrac{3}{49}$

8. $\dfrac{y}{6} \geq \dfrac{1}{2}$

Define a variable, write an inequality, and solve each problem. Then check your solution.

9. Four times a number is at most 36.

10. The opposite of three times a number is more than 48.