

# 5-Minute Check

Transparency 7-1

Solve each inequality.

1.  $-7x < -9x + 14$

2.  $\frac{2}{5}w \geq -6$

3. Solve  $|3a - 2| < 4$ . Then graph the solution set.

4. Define a variable, write an inequality, and then solve the following. *Ten less than five times a number is greater than ten.*

5. Lori had a quarter and some nickels in her pocket, but she had less than \$0.80. What is the greatest number of nickels she could have had?

6. **Standardized Test Practice** Which number is a member of the solution set of  $-\frac{3}{4}x < -33$ ?

(A) 54

(B) 44

(C) -33

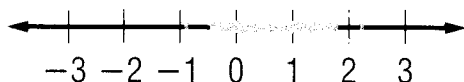
(D) -54

## ANSWERS

1.  $\{x \mid x < 7\}$

2.  $\{w \mid w \geq -15\}$

3.  $\{a \mid -\frac{2}{3} < a < 2\}$



4.  $n = \text{number}; 5n - 10 > 10;$   
 $n > 4$

5. 10 nickels

6. A