BELL WORK	
Write an equation for each situation below and solve.	
What was the original price of the dress?	
Equation:	
2. People over the age of 55 receive a 15% discount on their meals at IHOP. If the discounted price of the meal is \$8.96, what is the regular price of the meal?	
Equation:	

When two simple inequalities are combined into one statement by the words AND or OR, the result is a \_\_\_\_\_.

All real numbers greater than 2 AND less than 6.

All real numbers less than 2 OR greater than 6.

## EXAMPLE: Write a compound inequality and graph the solution.

1. A water analyst recommends that the pH level of swimming pool water be between 7.2 and 7.6 inclusive.

## **EXAMPLES:** Solve each compound inequality and graph the solution.

