NAME	DATE	PERIOD
2-3 Notes		
Solving Multi-Step Equation	s	
When solving multi-step equations, we 'undo' as you work.	operations by working 'backward	ds.' Reverse the usual order of operations
Example 1: A number is divided by 2, and to subtracted from the quotient. The result is 1 is the number?		
Exercises		
Solve each problem.		
<b>1.</b> A number is divided by 3, and then 4 is additional the result is 8. Find the number.	ded to the quotient.	
2. A number is multiplied by 5, and then 3 is The result is 12. Find the number.	subtracted from the product.	
<b>3.</b> Eight is subtracted from a number, and the The result is 24. Find the number.	n the difference is multiplied by	2.

**4. CAR RENTAL** Angela rented a car for \$29.99 a day plus a one-time insurance cost of \$5.00. Her bill was \$124.96. For how many days did she rent the car?

## 2-3 Notes (continued)

## **Exercises**

Solve each equation. Check your solution.

1. 
$$\frac{7}{8}p - 4 = 10$$

2. 
$$\frac{g}{-5} + 3 = -13$$

$$3. \quad \frac{4b+8}{-2} = 10$$

4. 
$$-4 = \frac{7x - (-1)}{-8}$$

## Write an equation and solve each problem.

**5.** Find three consecutive integers whose sum is 96.

**6.** Find three consecutive integers whose sum is -93.