

NAME \_\_\_\_\_

DATE \_\_\_\_\_

**Module 4** Solving Problems Using Linear Equations of One Variable  
**Lesson 1** Translating Sentences into Algebraic Equations



**guided  
practice**

**Set 1**

1. Translate into an equation: Three more than twice a number is equal to twenty-seven. \_\_\_\_\_
2. Translate into an equation: If a number is divided by two, and the quotient is reduced by three, the result is five. \_\_\_\_\_
3. Translate into an equation: Adding ten to four times a number gives the same result as subtracting eight from seven times that number.  
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4. Translate into an equation: Eight times the sum of a number and three is forty.  
\_\_\_\_\_
5. Translate into an equation: Twice the quantity of a number minus four is seven more than the number. \_\_\_\_\_

**Set 2**

1. Translate into an equation: Joe is three times as old as Mack. The difference in their ages is twenty-four years. \_\_\_\_\_
2. Translate into an equation: The length of a side of a square is  $s$ , and its perimeter is 8 inches. \_\_\_\_\_
3. Translate into an equation: Harry is two years older than Larry. The product of their ages is ninety-nine. \_\_\_\_\_
4. Translate into an equation: The cost of Brenda's food order was  $c$  dollars. She paid \$20 and received \$6.24 in change. \_\_\_\_\_

