Translating Words to Symbols

Write a variable expression for each word phrase.

1. Ten more than a number b 2. The product of seven and a number y

3. Five increased by a number x 4. Three times a number a

5. Twenty minus a number d 6. A number t multiplied by four

7. Ten less than a number m 8. The quotient of n and three

9. The sum of four and a number c 10. A number k less 75

11. The difference when ten is subtracted from six times a number t

12. The product of two and a number p add to seven

13. Five more than twice a number n

14. Three times the sum of a number g and eight

15. Joan receives d dollars for mowing a lawn, but she has to pay g dollars per gallon for the gasoline to run the mower. If the job requires x gallons of gasoline to complete, write a variable expression for the amount of money Joan earns after deducting the cost of the gasoline.

16. The school baseball team is planning a car wash to raise money and will charge c dollars to wash each car. If the total cost for the soap and water is d dollars and w cars are washed, write a variable expression for the amount of money the band will earn after deducting the cost of the soap and water.