

Name _____

HW# 20

Write each phrase as an algebraic expression. (You may use any variable in questions that do not assign a variable).

1. The difference between g and 4 $g - 4$
2. The product of x and 2 $2x$ or $x \cdot 2$
3. The quotient of b and 5 $\frac{b}{5}$ or $b \div 5$
4. Four subtracted from a number $x - 4$
5. Sue's score, s , increased by ten $s + 10$
6. Seventeen less than p $p - 17$
7. A number decreased by $\frac{1}{2}$ $n - \frac{1}{2}$
8. The square of some number divided by ten $n^2 \div 10$
9. Twice your age, a , divided by three $2a \div 3$
10. Fed-Ex charges a flat fee of \$1.50 to ship a package plus an additional \$0.50 per pound, p , that the package weighs. $0.50p + 1.50$
11. The Roslyn Middle School carnival costs \$10 to enter and \$3 per ride, r .
 $10 + 3.00r$

Write each sentence as an algebraic equation.

12. Four less than seven times a number is thirty-seven. $7n - 4 = 37$
 $4 \quad \leftarrow \quad 7n \quad = \quad 37$
13. The product of a number and ten is negative sixty-four. $10n = -64$
 $n \cdot 10 = -64$
14. Fifteen is the sum of d and two. $15 = d + 2$
 $15 = d + 2$