SECTION D3: WRITING VERBAL EXPRESSIONS WITH MULTIPLICATION AND DIVISION

Homework: _____

Learning Target(s):

D1. Understanding of key operational terms used to translate verbal statements.
D2. Understanding of when to use parenthesis when translating verbal statements into algebraic expressions.
D3. Understanding of how to write verbal statements from algebraic expressions.
D4. Understanding of how to write verbal expressions when there are parenthesis

       Multiplication Terms   Division Terms

Examples: Write each algebraic expression as 2 different verbal expressions.

1. $x \div -2$

Use the word "divided by" _____

Use the words "quotient" _____

2. $2x$

Use the word "product" _____

_____

3. $\dfrac{x}{-5}$

Use the words "quotient" _____

Use the word "ratio" _____

Examples: Translate each verbal statement into an algebraic expression. Simplify the expression.

4.   Twice a number times negative five.   5.   The product of a number and ten.

6.   The quotient of a number and two times six.   7.   Fifteen times a number divided by three.

When working with the words _____ and _____, you **must** write

_____ if they are being multiplied or divided.

8.   Four times the sum of a number and six.

9.   Twice the difference of a number and two.

10.   Six times a number increased by five.

11.   Twelve less than the quotient of a number and four.

12. $-3(x-5)$

13. $5(2x+4)$

14. $3x+6$

16. $\frac{x}{4}-5$