**A.** Fill in the blank.

Unit 3- Let’s Be Rational- Review #1 Mrs. Billinghurst (Turquoise)

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Group\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Reciprocal: the product of a reciprocal and the original number is 1. Used in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ fractions and can be a whole number, mixed number, or fraction.

2. Algorithm: the set of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ for performing a procedure, used for all operations.

**B.** Label what operation each word below represents…

3. Sum: 4. Difference: 5. Quotient: 6. Product:

**B.** Fill in the blank.

* When you \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ fractions, you MUST have a common denominator.
* When you \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ fractions, you MUST put all numbers in fractional form.
* The 3 word algorithm of division of fractions is 1.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, 2.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and 3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**C.** Solve each equation. Simplify when necessary. (Remember: Addition and Subtraction MUST HAVE a common denominator!)

1. 2. 3.

  

4. 5. 6.

  

7. 8. 9.

  

10. 11. 12.

  

  

13. 14. 15.

16. 17. 18.

  

19. 20. 21.

  

22. 23. 24.

  

25. How many bows can you make from  meters of ribbon if  of a meter of ribbon makes one bow?