

Name: \_\_\_\_\_

Academy Middle School

Date: \_\_\_\_\_

Period: \_\_\_\_\_

*Chapter 1.1 - 1.6 Quiz*

**Simplify the following. Show every step!**

1.  $55 - (16 \times 2 + 1) =$

2.  $(19 - 3 \times 2) + (2 + 16 \div 4) =$

**Identify the place value of the underlined number in each problem.**

3. 42,623 \_\_\_\_\_

4. .631 \_\_\_\_\_

5. 46 \_\_\_\_\_

6. .253 \_\_\_\_\_

**List all of the factors of each number. Identify the GCF.**

7. 10 : \_\_\_\_\_

25 : \_\_\_\_\_

GCF (10, 25) = \_\_\_\_\_

8. 15 : \_\_\_\_\_

18 : \_\_\_\_\_

GCF (15, 18) = \_\_\_\_\_

**List the first five multiples of each number. Identify the LCM.**

9. 4 : \_\_\_\_\_

6 : \_\_\_\_\_

LCM (4, 6) = \_\_\_\_\_

10. 4 : \_\_\_\_\_

8 : \_\_\_\_\_

LCM (4, 8) = \_\_\_\_\_

**Show the prime factorization of the given number. Give your answer in exponential form.**

11. 16

12. 50

**Give the following in exponential notation.**

13.  $6 \times 6 \times 6 \times 6 =$  \_\_\_\_\_

14.  $2 \times 2 \times 2 =$  \_\_\_\_\_

**Evaluate the following.**

15.  $2^6 =$  \_\_\_\_\_

16.  $3^5 =$  \_\_\_\_\_

**Give the definition to each vocabulary word.**

17. product: \_\_\_\_\_

18. dividend: \_\_\_\_\_

19. factor: \_\_\_\_\_

20. relatively prime: \_\_\_\_\_