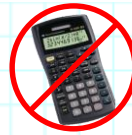


2.8 Learning Opportunity

Common Factors and Multiples



Name: _____

We will learn a more efficient method for identifying the least common multiple and greatest common factor next week, after we learn about Venn Diagrams. For tonight's homework, please use the methods we used on the notes today in class (unless you already know a more efficient method).

For the problems below, create a list of multiples for each of the numbers until you find the least multiple the numbers have in common. Circle that least common multiple (LCM).

1) 9

16

2) 8

14

3) 6

9

27

For the problems below, create a UT diagram to identify all factors of the numbers. Then, identify the greatest factor they have in common. Circle that greatest common factor GCF.

4) 18 42

5) 13 24

6) 36 90

7) 6 9 27