

Name \_\_\_\_\_

## Diamond Problems - #2

Use the pattern discovered in class to complete each diamond problem.

1.  $\begin{array}{c} 4 \\ \times \\ 8 \end{array}$

2.  $\begin{array}{c} 8 \\ \times \\ -7 \end{array}$

3.  $\begin{array}{c} -3 \\ \times \\ -7 \end{array}$

4.  $\begin{array}{c} 15 \\ \times \\ 16 \end{array}$

5.  $\begin{array}{c} x \\ \times \\ y \end{array}$

6.  $\begin{array}{c} 60 \\ \times \\ 19 \end{array}$

7.  $\begin{array}{c} \\ \times \\ 11 \\ 25 \end{array}$

8.  $\begin{array}{c} 50 \\ \times \\ 27 \end{array}$

9.  $\begin{array}{c} 3.2 \\ \times \\ 1.4 \end{array}$

10.  $\begin{array}{c} 0 \\ \times \\ 14 \end{array}$

11.  $\begin{array}{c} -7 \\ \times \\ 11 \end{array}$

12.  $\begin{array}{c} \frac{1}{2} \\ \times \\ \frac{3}{4} \end{array}$

13.  $\begin{array}{c} 12 \\ \times \\ 7 \end{array}$

14.  $\begin{array}{c} x^2 \\ \times \\ 2x \end{array}$

15.  $\begin{array}{c} -7 \\ \times \\ -7 \end{array}$

16.  $\begin{array}{c} 45 \\ \times \\ 18 \end{array}$

17.  $\begin{array}{c} 45 \\ \times \\ 15 \end{array}$

18.  $\begin{array}{c} -3.5 \\ \times \\ -2.5 \end{array}$



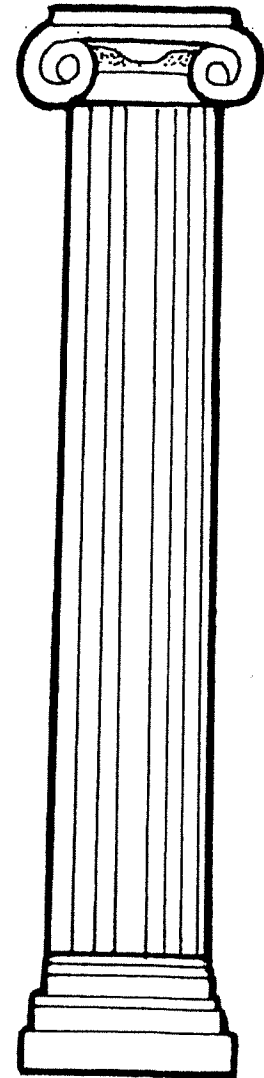
Name \_\_\_\_\_

# WHEN IN ROME . . .

The Roman Numeral System does not have place value, but order matters. No symbol is used more than three times. You add the values of the symbols. However, when a symbol for a smaller number is to the left of another symbol, you subtract.

SYMBOL	VALUE
I	1
V	5
X	10
L	50
C	100
D	500
M	1,000
—	x by 1,000

Examples: XVI = 16 (10 + 5 + 1)  
 XC = 90 (100 - 10)  
 XXIV = 24 (10 + 10 + 5 - 1)  
 V̄ = 5,000 (5 x 1,000)  
 C̄ = 100,000 (100 x 1,000)



Match each Roman Numeral or problem to its value. Then place the letter of the problem above its number at the bottom of the page.

- |  |              |
|--|--------------|
| _____ 1. CCLXXVIII                         | A. DCCLX     |
| _____ 2. MCMXCIX                           | B. XC        |
| _____ 3. XXV + LXXV =                      | C. 1911      |
| _____ 4. DXIX + CCXLI                      | E. 278       |
| _____ 5. $\overline{X} - \overline{VMM} =$ | H. X         |
| _____ 6. DCCLXXVII - CCCXXXIII =           | I. 1999      |
| _____ 7. XXVII • III =                     | K. DCCXXVIII |
| _____ 8. XII • XII =                       | L. MMM       |
| _____ 9. DCXXV ÷ XXV =                     | M. C         |
| _____ 10. CLXXX ÷ XXXVI =                  | N. 728       |
|  | O. V         |
|  | P. DLV       |
|  | R. CDXLIV    |
|  | S. VIII      |
|  | T. LXXXI     |
|  | U. XVII      |
|  | W. LXIV      |
|  | Y. XXV       |
|  | , CXLIV      |

6    10    3    1    8    2    7    4    5    9