

## Warmup

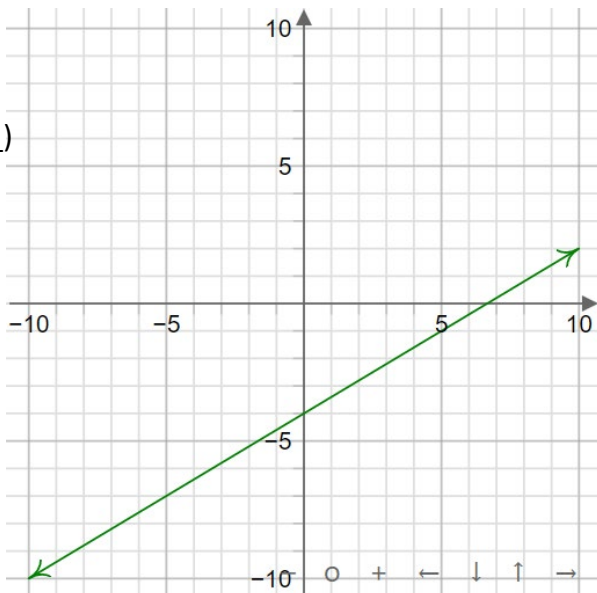
1. Find the Y-Intercept and slope of the line

Y-intercept: \_\_\_\_

The ordered pair of the  
y-intercept: (\_\_\_\_, \_\_\_\_)

The slope is \_\_\_\_

The equation of the line  
is:  $y =$  \_\_\_\_\_



2. Simplify:

$$(-8m + 9n) + (8m + -2n)$$

- I. Roman Numerals
- II. Roman Numerals from 1 to 50

*Homeschool*



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Pre-Algebra and Geometry I

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# I. Roman Numerals

**Roman Numerals** is an old decimal system that uses **Symbols to represent numbers.**

I = 1

V = 5

X = 10

L = 50

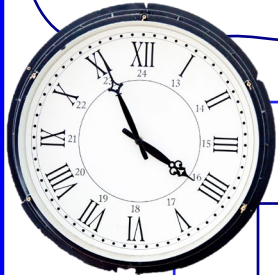
C = 100

D=500

M=1000

**The number 0 is not existent in the Roman System**

Today, Roman Numerals are seen on clocks, watches, sporting events, books, outlines, and various other places.



**3. Write each number in Roman Numerals**

1

50

10

1000

500

5

100

### Roman Numeral Rules:

- A Symbol may not appear more than 3 times in a row.

$XXX = 30$     $III = 3$

- When a lesser value comes before one of greater value, subtract.

$IV = 1$  less than  $5 = 4$

- When a greater value comes after one of lesser value, add.

$LX = 50 + 10 = 60$

## II. Roman Numerals from 1 to 50

Convert each Roman Numeral to our Number System

XLII

XXVI

XIX

VIII

XXXIV

Write the following as Roman Numerals

4

9

29

40

49

|                 |                |                 |                  |                 |
|-----------------|----------------|-----------------|------------------|-----------------|
| <b>1 = I</b>    | <b>11 = XI</b> | <b>21 = XXI</b> | <b>31 = XXXI</b> | <b>41 = XLI</b> |
| <b>2 = II</b>   | 12 = XII       | 22 = XXII       | 32 = XXXII       | 42 = XLII       |
| <b>3 = III</b>  | 13 = XIII      | 23 = XXIII      | 33 = XXXIII      | 43 = XLIII      |
| <b>4 = IV</b>   | 14 = XIV       | 24 = XXIV       | 34 = XXXIV       | 44 = XLIV       |
| <b>5 = V</b>    | 15 = XV        | 25 = XXV        | 35 = XXXV        | 45 = XLV        |
| <b>6 = VI</b>   | 16 = XVI       | 26 = XXVI       | 36 = XXXVI       | 46 = XLVI       |
| <b>7 = VII</b>  | 17 = XVII      | 27 = XXVII      | 37 = XXXVII      | 47 = XLVII      |
| <b>8 = VIII</b> | 18 = XVIII     | 28 = XXVIII     | 38 = XXXVIII     | 48 = XLVIII     |
| <b>9 = IX</b>   | 19 = XIX       | 29 = XIX        | 39 = XXXIX       | 49 = XLIX       |
| <b>10 = X</b>   | 20 = XX        | 30 = XXX        | 40 = XL          | 50 = L          |



[illegible]