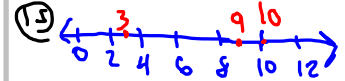

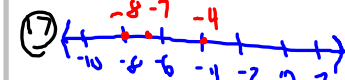



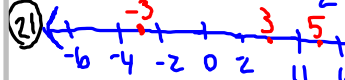

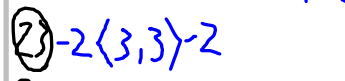
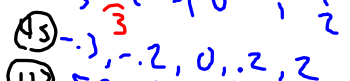


- ① negative, positive    ②9  $10 < 11, 11 > 10$   
 ② whole    ③1 D ③2 B ③3 C ③4 A  
 ③     ③5   
 ⑦     ③7   
 ⑩     ③9   
 ⑫     ④1   
 ⑮     ④3   
 ⑰  $-2 < 3, 3 > -2$     ④5  $-3, -2, 0, 2, 2$   
 ⑲  $-1 > -6, -6 < -1$     ④7  $-5.2, -5.1, -\frac{10}{5}, 3.4, 4.1, \frac{9}{2}$   
 ⑳  $-4 < 0, 0 > -4$     ④9  $-\frac{7}{2}, -2.6, -\frac{1}{2}, 0, \frac{1}{2}, 4.8$   
 ⑤6 canopus, procyon, sirius  
 ⑤7 pollux, altair, spica, regulus, deneb  
 ⑤8 sirius  
 ⑤9 regulus

$$\textcircled{1} \quad a > b \quad \Rightarrow \quad a > 4 \quad : \quad \begin{matrix} 1 - 15(a) \\ 17 - 39(b) \end{matrix}$$

$\textcircled{1} -2$

$\textcircled{1} 8, -8$

$\textcircled{21} 3, 8$

$\textcircled{2} 0$

$\textcircled{2} \text{ no solution}$

$\textcircled{22} \frac{1}{9}$

$\textcircled{3} -1$

$\textcircled{13} 5.5, -5.5$

$\textcircled{23} 7$

$\textcircled{4} 3$

$\textcircled{14} \frac{2}{3}, -\frac{2}{3}$

$\textcircled{27} -3$

$\textcircled{5} 2.4$

$\textcircled{15} \text{ False.}$

$\textcircled{29} 0.8$

$\textcircled{6} -\frac{1}{2}$

$\text{if } a = -2$

$\textcircled{31} \frac{2}{3}$

$\textcircled{7} 12$

$\text{then its opposite}$

$\textcircled{32} 4, -4$

$\textcircled{8} 6$

$\text{is } 2.2 > -2$

$\textcircled{35} \text{ no solution}$

$\textcircled{9} -5.1$

$\textcircled{17} -8$

$\textcircled{37} 3.7, -3.7$

$\textcircled{10} \frac{1}{5}$

$\textcircled{19} 10$

$\textcircled{39} \frac{11}{2}, -\frac{11}{2}$

"leave 2 inches at the  
top of page"

Sept. 26, 2006

### 2.3. Adding Real Numbers.

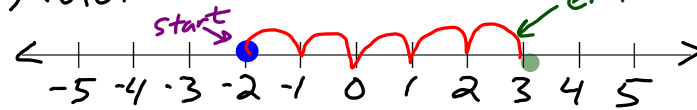
\* What direction on the # line.

- You add a Positive Number by moving to the Right on the # line.
- You add a Negative Number by moving to the Left on the # line.

Add, using the # line:

Add:  $-2 + 5$

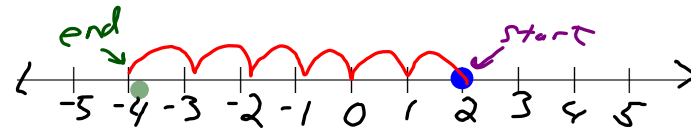
Positive  $\rightarrow$



$-2 + 5 = \underline{\underline{3}}$

Add:  $2 + (-6)$

Negative  $\leftarrow$



$2 + (-6) = \underline{\underline{-4}}$

top of pg 29: Add Rules

Add:  $-4 + -5$  2 #'s w/ the same sign

$$|-4| + |-5| = 4 + 5 = -9$$

Add:  $3 + -9$  2 #'s w/ opp. signs.

$$|-9| - |3| = 9 - 3 = -6$$

# Real Life Math

Jan. -13,143	Feb. -6,783	March -4,735
-----------------	----------------	-----------------

April 3,825	May 7,613	June 12,933
----------------	--------------	----------------

$$-13,143 + -6,783 + -4,735 + 3,825 + 7,613 + 12,933$$

**-290**

for 6 months  
they lost Money

## 2.4 Subtracting Real Numbers

### Subtraction Rule:

To Subtract  $b$  from  $a$ ,  
add the opposite of  $b$  to  $a$ .

$$\text{ie: } a - b = a +^{-}b$$

$$\text{ex} \downarrow 3 - 5 = 3 +^{-}5$$

$$\text{ex1)} \quad 10 - 11 = 10 + -11 = \underline{\underline{-1}}$$

$$\text{ex2)} \quad 11 - 10 = 11 + -10 = \underline{\underline{1}}$$

$$\text{ex3)} \quad -4 - -9 = -4 + 9 = \underline{\underline{5}}$$



Mr. G's Short Cut to  
Writing the Problem.

Step 1: write the expression.

$$-4 - -9$$

Step 2: Change the Signs.

$$-4 + +9$$

---

$$10 + +7 = \underline{\underline{17}}$$

Expressions with more than  
one subtraction.

$$\text{ex1)} \quad 3 - 4 = \frac{1}{2} =$$

$$3 + 4 + \frac{-1}{2} = 6\frac{1}{2}$$

Mr. G.'s way.

$$3 + 4 + \frac{-1}{2} = \underline{\underline{6\frac{1}{2}}}$$

$$\text{ex2)} \quad 1 + 2 - 6 = \underline{\underline{-3}}$$

Know the terms

Find the terms of :  $-9-2x$

1<sup>st</sup>: Change to an Addition Prob. ⇒ Mr. G's shortcut

$$-9 + 2x$$

-9 & -2x are both terms

functions

Evaluate the function:  $y = -5 - x$   
when  $x = -2, -1, 0, 1$   
(use a table to show ans.)

Input	function	Output
$x = -2$	$y = -5 + 2$	$-3$
$x = -1$	$y = -5 + 1$	$-4$
$x = 0$	$y = -5 + 0$	$-5$
$x = 1$	$y = -5 + -1$	$-6$

O.T.L.

① in Section ~~below~~ <sup>Above 2" section</sup> :

Abs. Value Blue Box  
Pg 71

② Properties of Add Blue Box  
<sup>at the Bottom</sup>  
Pg 79 (at the end)

③ Pg 81: 1-5(a); 13-35(o)

④ Pg 82: 41-49(o)

⑤ Pg 89-90: 15-53(o)

- write the exp.
- re-write as an Add.  
or show Mr. G. S.C.
- solve.