4/25/12 11.2 Adding Integers

P. 538: Real World Example

$6 - 8 + 11 = 9$

$-2 + 11$

9

#s 1-4

① $-4 + (-4) = -8$

② 0

③ 2

④ -4

Same Sign:

1. Take the sum of the numbers
2. Keep the sign!

$$-4 + (-3) = -7$$

$$4 + 3 = 7$$

$$-571 + (-74) =$$

Two Different Signs:

① Take the difference of the numbers

② Keep the sign (+/−) of the larger absolute value.

$-5 + 7 = 2$

ABSOLUTE VALUE: of a # is its distance from zero on a # line. $|-5| = 5$ $|9| = 9$

$-8+6=-2$

$|-8| \quad |6|$

$8 > 6$

$6+(-8)=-2$

$|6| \quad |-8|$

$6 < 8$

$10+(-3)=7$

$|10| \quad |-3|$

$10 > 3$

P. 539 #s 5-8

⑤ $-10 + (-5) = -15$

⑥ $-9 + (-2) = -11$

⑦ $8 + (-15) = -7$

⑧ 0

Absolute value of -2

$|-2| = |2| = \underline{\underline{2}}$

③ $|-4| = \underline{\underline{4}}$

In Class:

p. 540 #s 10-38

HW: WS 11.2