

4/26/12 11.3 Subtracting Integers

For any SUBTRACTION

Problem, ADD THE OPPOSITE

Leave  
this  
number  
alone

$$5 - 8 = 5 + (-8) = -3$$
$$5 + (+8) = 5 + (8) = 13$$
$$-4 - 5 = -4 + (-5) = -9$$

$$\begin{aligned} & -34 - (-8) - 4 \\ & \quad \text{add the opposite} \\ & -34 + (8) - 4 \\ & -26 - 4 \\ & -26 + (-4) = \textcircled{-30} \end{aligned}$$

$$\begin{aligned} & \underline{10 - 13 - (-4) - 1} \\ & 10 + (-13) - (-4) - 1 \\ & -3 + (4) - 1 \\ & 1 - 1 = 0 \\ & 1 + (-1) \end{aligned}$$

p.544 #s 1-4

$$\textcircled{1} \quad 4 - 6 = 4 + (-6) = -2$$

$$\textcircled{2} \quad 7 - 10 = 7 + (-10) = -3$$

$$\textcircled{3} \quad 3 + (+4) = 7$$

$$\textcircled{4} \quad 4 = 0 + (+4)$$

P.545 Ex 3

$$4170 - (-13,000)$$

$$4170 + (13,000)$$

$$17,170 \text{ m}$$

In Class:

p. 546 #s 11-37

HW: ws 11.3

$$-4 - (-7) - 12 - (-5)$$

$$-4 + (7) - 12 - (-5)$$

$$3 + (-12) - (-5)$$

$$-9 + (5)$$

$$-4$$