

# INTEGERS

## SUBTRACTION

**KEEP** the first #

**CHANGE** the subtraction to addition

**CHANGE** the sign of the second number.

## ADDITION

Same Signs? Keep Them!

$(+) + (+) = +$   
 $(-) + (-) = -$

Different Signs? Subtract the smaller # from the larger #

$(+) + (-) = +$   
 $(-) + (+) = -$

## MULTIPLICATION AND DIVISION

① Multiply or divide as normal

② SAME SIGNS?  
 Answer is **POSITIVE**

③ DIFFERENT SIGNS?  
 Answer is **NEGATIVE**

If you LOVE TO LOVE, You're a LOVER:  
 $\oplus \times \oplus = \oplus$   
 If you LOVE TO HATE, You're a HATER:  
 $\oplus \times \ominus = \ominus$   
 If you HATE TO LOVE, You're a HATER:  
 $\ominus \times \oplus = \ominus$   
 If you HATE TO HATE, You're a LOVER:  
 $\ominus \times \ominus = \oplus$

Examples:

1.)  $(-5) + (-3) = -8$

2.)  $(-6) - (-2)$   
 $= (-6) + (+2)$   
 $= -4$

3.)  $(-10) - (+3)$   
 $= (-10) + (-3)$   
 $= -13$

