

# Integer Rules

## Addition

same signs? KEEP THEM!

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

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

Different signs?

Subtract the smaller # from the larger #

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

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

Keep the larger sign

## Subtraction

Keep the first number

Change the subtraction to addition

Change the sign of the second number

 then use the addition rules!

## Multiplication and Division

① Multiply or divide like normal

② same signs?  
Answer is  
POSITIVE!

③ Different signs?  
Answer is  
NEGATIVE!

If you love to love, you're a lover.  
 $(+)\cdot(+)=+$

If you love to hate, you're a hater.  
 $(+)\cdot(-)=-$

If you hate to love, you're a hater.  
 $(-)\cdot(+)=-$

If you hate to hate, you're a lover.  
 $(-)\cdot(-)=+$