

# Integer Rules and Practice

Addition and Subtraction

Integer - Consists of whole numbers and their opposites

## Addition

- IF the signs are the same, add and keep the same sign.

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

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

- IF the signs are different, subtract numbers and use sign of larger number

$$(+ 3) + (- 2) = + 1$$

$$(- 3) + (+ 2) = - 1$$

## Subtraction

★ Use Same, Change, Change.  
Then follow addition rules.

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

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

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

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

Example 1:

$$+2 + +1 = +3$$

$$-2 + -1 = -3$$

$$+3 + -5 = -2$$

$$-3 + +5 = +2$$

Example 2:

$$+7 - +3 = +7 + -3 = +4$$

$$-7 - -3 = -7 + +3 = -4$$

$$+10 - -4 = +10 + +4 = +14$$

$$-10 - +4 = -10 + -4 = -14$$