Name: _____   Date: _____

Notes
Algebra Section 2.2
Pages 74-79

Goal: "Add numbers with the same signs"
"Add numbers with different signs"

Examples:

$-9 + 5 =$ -4 $8 + (-4) =$ 4 $-4 + (-9) = -13$ $2 + (-7) = -5$

Adding numbers with different signs.

Solve $-8 + 5 =$ How do you know if it's positive or negative? <u>8 is greater than 5</u>

Do you add or subtract the 8 and 5? <u>Subtract</u>

Solve $-3 + 7 =$ How do you know if it's positive or negative? <u>7 is greater than 3</u>

Do you add or subtract the 3 and 7? <u>Subtract</u>

Adding numbers with different signs.

Solve $-9 + (-4) =$ How do you know if it's positive or negative? <u>Both are negative</u>

Do you add or subtract the 9 and 4? <u>Add</u>

Try These:

$-6 + 3 =$ -3 $-9 + (-2) =$ -11 $12 + (-4) =$ 8 $-3 + (-4) = -7$

$-14 + 18 =$ 4 $-20 + (-24) = -44$ $15 + (-19) =$ -4 $23 + (-18) =$ 5

$-24 + (-34) = -58$ $274 + (-452) = -178$ $-345 + (-342) = -687$ $-254 + 120 = -134$