 Math Reference Sheet 

*For addition:*

SAME SIGN (KEEP THE SIGN)

A negative plus a negative is a negative.

* + - = -

A positive plus a positive is a positive.

 + + + = +

DIFFERENT SIGNS (TAKE THE SIGN OF THE BIGGER NUMBER)

A negative plus a positive is DEPENDS.

* + + = TAKE THE ABSOLUTE VALUES,

SUBTRACT, AND THEN TAKE THE SIGN OF THE NUMBER WITH THE GREATEST VALUE

A positive plus a negative is DEPENDS.

* + + - = TAKE THE ABSOLUTE VALUES,

SUBTRACT, AND THEN TAKE THE SIGN OF THE NUMBER WITH THE GREATEST VALUE

*For multiplication or division:*

SAME SIGNS (positive)

A negative times a negative is a positive.

* \* - = +

A positive times a positive is a positive.

 + \* + = +

DIFFERENT SIGNS (negative)

A negative times a positive is a negative.

* \* + = -

A positive times a negative is a negative.

 + \* - = -

*For subtraction:* SAME SIGNS

A negative minus a negative is DEPENDS. (KEEP, CHANGE, CHANGE) A positive minus a positive is DEPENDS. (KEEP, CHANGE, CHANGE)

* - - = TAKE THE SIGN OF THE BIGGER NUMBER + - + = TAKE THE SIGN OF THE BIGGER NUMBER

DIFFERENT SIGNS

A negative minus a positive is a negative. (KEEP, CHANGE, CHANGE) A positive minus a negative is a positive. (KEEP, CHANGE, CHANGE)

* - + = - + - - = +