Negative Manipulation Rules

The answer always has two parts:

- 1) Sign
- 2) Number

Addition and Subtraction	Multiplication and Division
A) If the two numbers have the same sign	A) If the two numbers have the same sign
 Sign in the answer is the sign of the two numbers Number in the answer is adding the two numbers after ignoring the sign 	1) Sign: always a + 2) Number: Multiply the two numbers as usual after ignoring the signs
Example: +4+5 1) Sign of both numbers is + so sign of answer is + 2) Number in the answer is adding the two numbers after ignoring the +: 4+5=9	Example: 4 X 5 1) Sign: always a + 2) Number: Multiply 4 and 5 after ignoring the + sign in both numbers: 4 X 5 = 20 Answer: + 20
Answer: +9 Example: -4 - 5 1) Sign of both numbers is - so sign of answer is - 2) Number in the answer is adding	Example: - 4 X - 5 1) Sign: always a + 2) Number: Multiply 4 and 5 after ignoring the - sign in both numbers: 4 X 5 = 20 Answer: + 20
the two numbers after ignoring the -: 4 + 5 = 9 Answer: - 9	B) Different sign in two numbers: 1) Sign: always a - 2) Namels on Multiple the true
B) Different sign in two numbers:1) Sign in the answer is the sign of the bigger number when the signs are not considered	2) Number: Multiply the two numbers as usual after ignoring the signs Example: -4 X 5
	1) Sign: always a -

2) Number in the answer is subtracting the smaller number from the bigger number after ignoring the sign

Example: -4 + 5

- 1) 5 is the bigger number between 4 and 5 (after ignoring the in 4), so the sign of the answer is the sign of 5: +
- 2) Number in the answer is subtracting 4 from 5 after ignoring the in 4 and + in 5: 5 4 = 1 Answer: + 1

Example: 4 - 5

- 1) 5 is the bigger number between 4 and 5 (after ignoring the in 5), so the sign of the answer is the sign of 5: -
- 2) Number in the answer is subtracting 4 from 5 after ignoring the in 5 and + in 4: 5 4 = 1 Answer: 1

2) Number: Multiply 4 and 5 after ignoring the - sign in 4 and + sign in $5: 4 \times 5 = 20$

Answer: - 20

Example: 4 X - 5

- 1) Sign: always a -
- 2) Number: Multiply 4 and 5 after ignoring the sign in 5 and + sign in 4: $4 \times 5 = 20$

Answer: - 20

Other Facts:

- 1) + and come together during Addition or Subtraction, it becomes a
- 2) If there is no sign in a number, it is by default a +
- 3) The sign of a number is the sign that is present to the left of a number

Example: 7 - 5

7 doesn't have a sign so it is + and 5 has a sign – to it's left so the sign of 5 is –