

9/3 Integer Rules

- Addition:
 $pos + pos = pos$ } same sign
 $neg + neg = neg$ } keep sign
 $pos + neg =$ subtract absolute values and
keep the sign of the greater
absolute value (who is there "more")

- Subtraction: keep the sign of the 1st number
change the subtraction to addition
change the sign of the 2nd number
follow adding rules

- Multiplication:
 $pos \cdot pos = pos$ } same sign
 $neg \cdot neg = pos$ } pos
 $pos \cdot neg = neg$ } dif sign
 $neg \cdot pos = neg$ } neg

- Division:
 $pos \div pos = pos$ } same sign
 $neg \div neg = pos$ } pos
 $pos \div neg = neg$ } dif sign
 $neg \div pos = neg$ } neg

* multiplication and division rules
are the same