CHAPTER 6 STUDY
POSITIVE AND NEGATIVE INTEGERS

Adding Rules: Positive + Positive = Positive: 5 + 4 = 9

Negative + Negative = Negative: (- 7) + (- 2) = - 9

Sum of a negative and a positive number: Use the sign of the larger number and subtract

(- 7) + 4 = -3

6 + (-9) = - 3

(- 3) + 7 = 4

5 + (-3) = 2

Subtracting Rules: Negative - Positive = Negative: (- 5) - 3 = -5 + (-3) = -8

Positive - Negative = Positive + Positive = Positive: 5 - (-3) = 5 + 3 = 8

Negative - Negative = Negative + Positive = Use the sign of the larger number and subtract *(Change double negatives to a positive)*

(-5) - (-3) = (-5) + 3 = -2

(-3) - (-5) = (-3) + 5 = 2

Multiplying Rules: Positive x Positive = Positive: 3 x 2 = 6

Negative x Negative = Positive: (-2) x (-8) = 16

Negative x Positive = Negative: (-3) x 4 = -12

Positive x Negative = Negative: 3 x (-4) = -12

Dividing Rules: Positive ÷ Positive = Positive: 12 ÷ 3 = 4

Negative ÷ Negative = Positive: (-12) ÷ (-3) = 4

Negative ÷ Positive = Negative: (-12) ÷ 3 = -4

Positive ÷ Negative = Negative: 12 ÷ (-3) = -4