**Math 9 – FINAL REVIEW NOTES**

**CHAPTER 2 – Rational Numbers**

1.rational numbers

irrational numbers

order

2.add/subt/mult/div – order of operations – correct use of calculator

**CHAPTER 3 – powers and Exponents**

1.exponent laws

23 x 22 =

36÷32 =

(52)3 =

(ab)3 =

(a÷b)2 =

40 = a0 = 1000 =

2. order of operations

**CHAPTER 4 – Scale Factors and Similarity**

1. enlarge reduce

scale factor scale factor

2. scale =

3.similar figures

 angles

 sides

**CHAPTER 5 – Intro to Polynomials**

1.terms

polynomial – monomial binomial trinomial

degree – of a term - of a polynomial

coefficient

like terms

2.add/subt polynomials

 3x – 2x2 + x – 2x2

 (8c - 3) + (5c + 2)

 (8c - 3) - (5c + 2)

**CHAPTER 6 – Linear Relations**

1.patterns XX X XXX XX XXXX XXX ?

 1 2 3 4

table, equation

2.interpret/read graphs

**CHAPTER 7 – Multiply and Divide Polynomials**

mult/div monomials and polynomials

(3xy)(2x4) (-8x3y)÷(4x) 4(5x – 3) (6x2 – 8x)/2x

**CHAPTER 8/9 – Solve Equations and Inequalities**

solve equations and inequalities

* isolate variable

– for ineq remember change inequality if mult/div BY a neg

2x = 4 8÷m = 7 4x – 2 = 12 3x < -6

-3x < 6 4(x + 2) > 12

**Chapter 11 - Data Analysis**

Key terms/words

-factors influencing data collection

-population

-sample (types)

- probability

-mean

-median

-mode

**Chapter – Finance/budget**

Budget worksheets

Bank accounts