Date: 10/20/2016 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**-------Review--------**

P42: 1.7.5 (b)

(c)

P48: 1.38

P74: 2.17 (b)

2.19 (b)

2.23 (c)

2.24 (b)

2.26 (b)

**---------FOIL method for expanding expressions----------**

FOIL referring to the order in which you multiply the terms using the [distributive law.](http://mathwizz.com/algebra/help/help2.htm) It stands for:

First  
Outside  
Inside  
Last

**Example:** Expand (2x-1)(1x+5) a.k.a. (2x-1)(x+5)

First term: (2x)(1x) = 2x2  
Outside term: (2x)(5) = 10x  
Inside term: (-1)(1x) = -1x  
Last term: (-1)(5) = -5

Adding everything together we get:

2x2 + 10x - 1x - 5  
= 2x2 + 9x - 5

**Special cases:**

**Difference of squares**  
If you have something like (x+5)(x-5) you will notice that it expands to x2+0x-25. But, since the [coefficient](http://mathwizz.com/algebra/help/help4.htm) in front of the x is 0, we write it as x2-25.

29x29 = (30-1)x(30-1) = 30x30-30x2+1

29x31 =

(a+b)(a+b) =

(a-b)(a-b) =

(x+3)(x+4) =

(x+6)(x-6) =

**-------Chapter 2 --------**

**2.4 Fractions**

P68: 2.13

2.14

2.15

2.16

P76: 2.38

2.40 (Expand expressions using FOIL)

**-------Chapter 3 One Variable Linear Equations --------**

What is **One Variable Linear Equation?**

What are **not?**

P78: 3.3 (a)

(c)

3.6 (a)

(b)

(c)

(d)

(e)

**-------Homework--------**

**Read all summary from chapter 3.**

**P73: 2.4.1**

**(a)**

**2.4.2**

**2.4.5**

**2.4.6**

**2.24 (a)**

**2.25**

**2.29 (b)**

**2.31 (b)**

**P82: 3.1.1 (a)**

**(d)**

**3.12 (a)**

**(d)**