(Math Apps) Graded Practice Unit 1 Due:_____

NAME _____ Score: _____ out of 60

BE SURE TO SHOW ALL YOUR WORK TO RECEIVE FULL CREDIT!

1-3 (2pts. each)

1.)$(x^2 - 6x + 5) + (3x^2 - 2x - 2) =$

2.) $(2x^2 - 3x + 7) - (x^2 + 5x - 4) =$

3.) $(3x^2 + 6x - 1) - (-5x^2 + 8) =$

4.) $(3x^2 - 4x + 5) + (-4x^2 - 6x - 9) =$

5.) $(4x^2 - 3x + 9) + (4x^2 - 9) =$

6.) $(3x^2 - 1) - (2x^2 + 10) =$

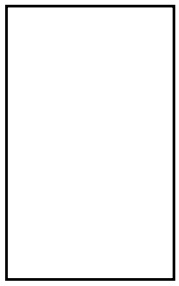
7.) $(x^2 - 6x + 5) + (3x^2 - 2x - 2) =$

8.) $(x^2 + 9x + 7) + (3x^2 - 2x - 1) + (x^2 - x + 3) =$

1-2/1-4 Find the area and perimeter in **simplest form** of the following:
A= (length)(width) *SHOW ALL WORK

9.)

$x + 1$



5

PERIMETER_____ (2pts each)

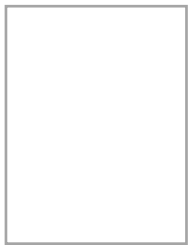
AREA _____ (3pts each)

10.) $x + 1$

$x - 3$

PERIMETER_____ **AREA** _____

11.) $2x - 1$



$x + 2$

PERIMETER_____ **AREA** _____

Simplify the following (1pt each):

12.) $6x - 8 - 2x - 7 =$ _____

13.) $3x^2 + 5x - 6x - 2x^2 + x =$ _____

14.)$10g - 3x + 3g - 3x =$ _____

1-4 (2 pts. each) Use the distributive property to simplify these expressions:

15.) $9(8x-4) =$

16.) $2x(6x-5) =$

17.) $xy^2(x^3-y)$

18.) $-3x(4x^2-5x+2) =$

19.)$xyz(3x^2y^3z^4) =$

20.) $-(4-7a) =$

21.) $-x(4x-5) =$

Double Distributive Property (3 pts. each)

22.) $(a+2)(a+3) =$

23.) $(x-4)(x-4) =$

24.) $(y+10)(y-8) =$

25.) $(2x-4)(3x-2) =$