Name:_____   Date:_____
Mr. Williams   Class:_____

Homework

Show all of your work on a separate sheet of paper.

Identify the terms and like terms in the expression.

1. $1.3x - 2.7x^2 - 5.4x + 3$

2. $10 - \dfrac{3}{10}m + 6m^2 + \dfrac{2}{5}m$

Simplify the expression.

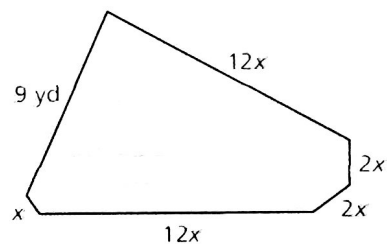3. $-\dfrac{15}{4}b + \dfrac{5}{6}b$

4. $60m - 15(4 - 8m) + 20$

5. $4(5.8 - 9x) + 8.2 + 22x$

6. $9y - 15y + 12 - 6y$

7. $v + 13 - 8(v + 2)$

8. $\dfrac{5}{3}(5x + 9) + \dfrac{4}{5}(1 - 9x)$

9. Write an expression in simplest form that represents the perimeter of the polygon.

Draw a diagram that shows how the expression can represent the area of a figure. Then simplify the expression.

10. $8(3x - 1)$

11. $(5 + 2)(x + 3x)$

12. Danielle is x years old. Her sister is 5 years older and her brother is half Danielle's age. Write an expression in simplest form for the sum of their ages.

13. The length of a rectangular field is 30 more than twice its width. Write an expression in simplest form for the perimeter of the field in terms of its width w.

How Can You Turn A Pumpkin Into A Squash?

A	B	C	D	E	F
G	H	I	J	K	L

Complete each exercise. Find the answer in the answer column. Write the word under the answer in the box containing the exercise letter.

2x + 4 **SMASH**	
13x − 2 **THE**	
−2x + 6.2 **COME**	
2.4x + 2.9 **AND**	
21x **THROW**	
−1.5x − 7 **WILL**	
7x + 14 **SQUASH**	

Simplify the expression.

A. $8x + 13x$

B. $15x + 10 - 6$

C. $7x - 4x + 3$

D. $5.3x - 9 + 7.6x$

E. $6x - 4x - 2 + 11x$

F. $\frac{3}{4}x + 11 - 5\frac{1}{2} + \frac{1}{4}x$

G. $5(x + 8) + 3$

H. $3.6x - 7 - 5.1x$

I. $4 + 8x + 2.2 - 10x$

J. $\frac{5}{6}x - 9 + 3 - \frac{2}{3}x$

K. $2.4(x + 3) - 4.3$

L. The length of a rectangle is 7 inches and the width is $(x + 2)$ inches. Write an expression in simplest form that represents the area of a rectangle.

$x + 5\frac{1}{2}$ **AIR**	
3x + 3 **UP**	
5x + 43 **IT**	
$x - 4\frac{1}{2}$ **TOSS**	
12.9x − 9 **IN**	
$\frac{1}{6}x - 6$ **DOWN**	
15x + 4 **IT**	