Bellwork: Algebra 1 Honors

1. Write down your work for the week in your planner.
2. You will need your composition book.
3. You may want to have 3 different color writing untensils today (pens or colored pencils).
4. Answer the following in your MONDAY section of your new bellwork sheet:

What property is shown below?

$$\frac{3}{4} \cdot \frac{6}{6} = \frac{18}{24}$$

$\frac{6}{6} = 1$

identity property of multiplication

LIKE TERMS:	Same variable Same exponent Constants

$-2x + 3 - 4x + 5 - 4x^2 + 11 - 15x + 2x^2 - 15$

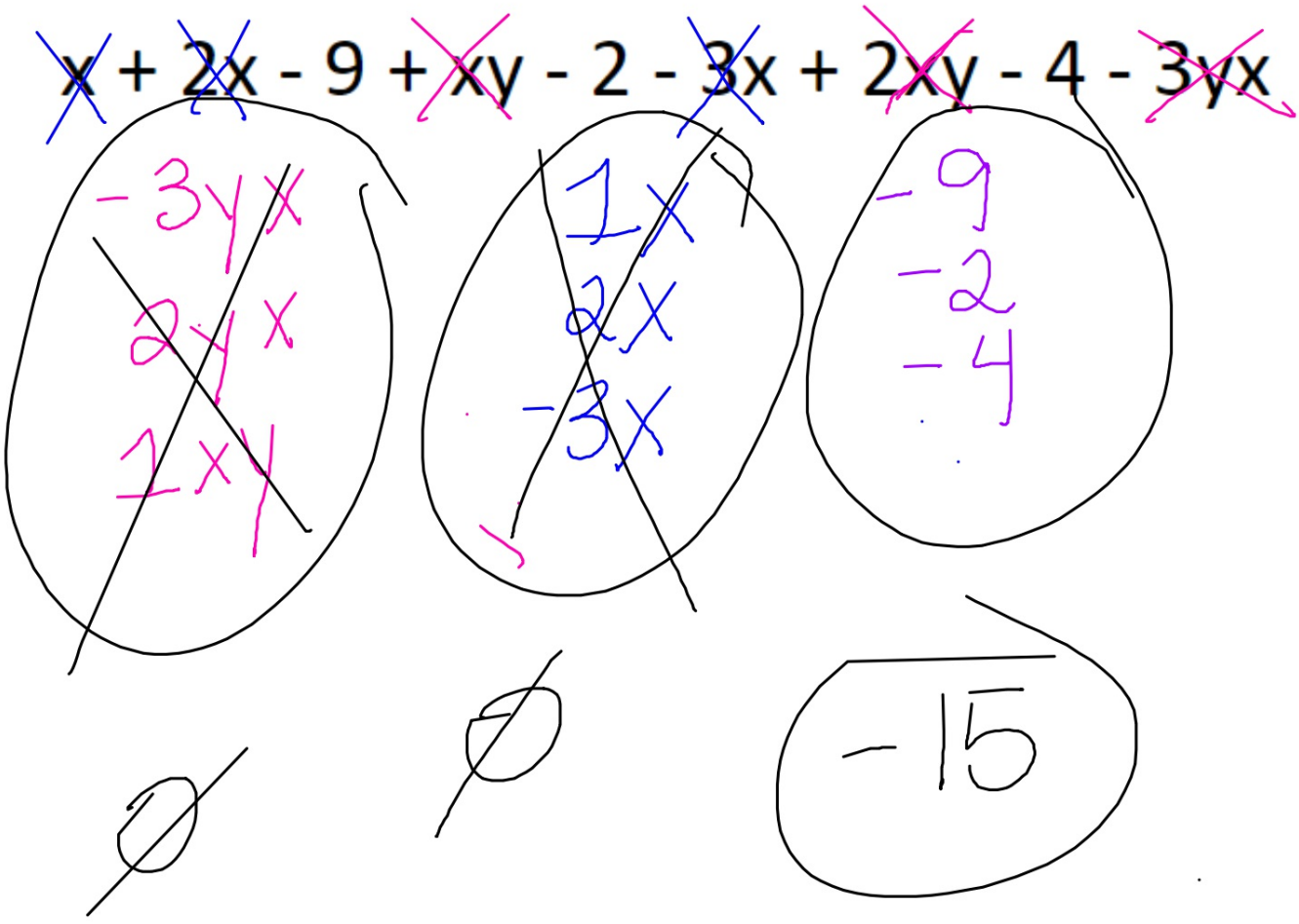
$-4x^2$
$2x^2$

$-2x$
$-4x$
$-15x$

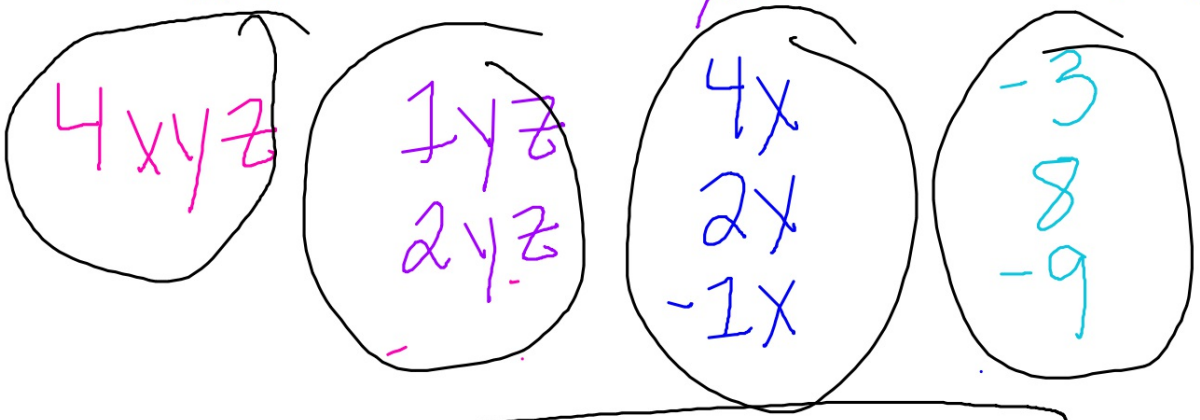
3
5
11
-15

$$-2x^2 - 21x + 4$$

$x + 2x - 9 + xy - 2 - 3x + 2xy - 4 - 3yx$



$4x + yz - 3 + 2x + 4xyz - x + 8 + 2zy - 9$



$4xyz + 3yz + 5x - 4$

Find the perimeter

$2x+3+x+1+3x=6x+4$

Distributive Property

$$A(B + C) = AB + AC$$

$$A(B - C) = AB - AC$$

$$A + (B + C) = A + B + C$$

$$A - (B + C) = A - B - C$$

$$A + (B - C) = A + B - C$$

$$A - (B - C) = A - B + C$$

Expression	What number(s) should be distributed?	Distribute	Combine Like Terms	Final Answer
$-2(x-3)$	-2	$-2x+6$	———	$-2x+6$
$5(x-4)+2x-3$	5	$5x-20$	$5x \quad -20$ $2x \quad -3$	$7x-23$
$3+2(x-5)$	2	$2x-10$	$2x \quad -10$ 3	$2x-7$
$2-1(-x+5)$	-1	$x-5$	$x \quad -5$ 2	$x-3$
$4(x+1)-5$	4	$4x+4$	$4x \quad 4$ -5	$4x-1$

$2 - (x - 9)$				
$3 - 2(x + 1) + 1(5x - 4)$	$-2, 1$	$-2x - 2$ $5x - 4$	$-2x$ -2 $5x$ -4 3	$3x - 3$
$-(x - x^2) - 2(5 - x) + 7$				
$-3x(x - 4) + 2 - (5 - x)$				
$-(x^2 - 3x + 2) - x(x - 4)$				