

Name: _____ Algebra 9 Unit 1 Lesson 4

Expand using the Distributive Property then Combine Like Terms

DO NOW ~ Friday 9/27

Simplify by using the Distributive Property

$$-9(4y - 6x + 2)$$

$$-36y + 54x - 18$$



Classwork

Use the Distributive Property to expand then simplify by combining like terms.

$$6(10 + 4r) - 10r$$

$$60 + 24r - 10r$$

$$60 + 14r$$

$$-4(1 - 9n) + 3n$$

$$-4 + 36n + 3n$$

$$-4 + 39n$$

$$-8(5a - 1) + 7$$

$$-40a + 8 + 7$$

$$-40a + 15$$

$$8n + 3(n + 1)$$

$$8n + 3n + 3$$

$$11n + 3$$

DO NOW ~ Wednesday 10/2

Use the Distributive Property to expand then simplify by combining like terms.

$$\begin{array}{l}
 -7(1+7r) - 10r \\
 \boxed{-7} - \boxed{49r} - 10r \\
 -7 - 59r
 \end{array}$$



Classwork

Use the Distributive Property to expand then simplify by combining like terms.

$$\begin{array}{l}
 9(a+6) - 5a \\
 \boxed{9a} + 54 - \boxed{5a} \\
 4a + 54
 \end{array}$$

$$\begin{array}{l}
 5 + 3(-6x - 1) \\
 \boxed{5} - 18x - \boxed{3} \\
 2 - 18x
 \end{array}$$

$$\begin{array}{l}
 -6 - 6(1 - 3m) \\
 \boxed{-6} - \boxed{6} + 18m \\
 -12 + 18m
 \end{array}$$

$$\begin{array}{l}
 3x + 5(-7 - 5x) \\
 \boxed{3x} - 35 - \boxed{25x} \\
 -22x - 35
 \end{array}$$

DO NOW ~ Thursday 10/3

Expand using the Distributive Property then simplify by combining like terms.

$$3x - 4(5x - 2)$$

$$3x - 20x + 8$$

$$-17x + 8$$



Classwork

Use the Distributive Property to expand then simplify by combining like terms.

$$6(-6k - 2) - 8(k + 1)$$

$$-36k - 12 - 8k - 8$$

$$-44k - 20$$

$$-2(8x - 1) + 4(-5x + 7)$$

$$-16x + 2 - 20x + 28$$

$$-36x + 30$$

$$-6(7 - 5n) + 8(n + 4)$$

$$-42 + 30n + 8n + 32$$

$$38n - 10$$

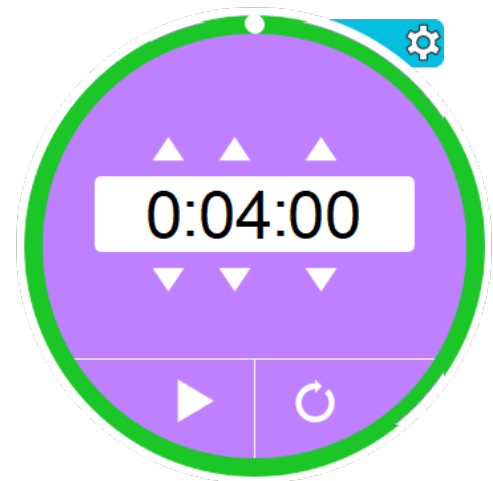
$$-(-6 - 6p) - 4(p + 2)$$

$$6 + 6p - 4p - 8$$

$$2p - 2$$

To earn your full participation point for the Do Now be sure to have completed all of the following by the time is up:

- 1) Be in your seat
- 2) Take out your calculator
- 3) Have last night's homework out
- 4) Complete the do now



DO NOW ~ Friday 10/4

Use the Distributive Property to expand then simplify by combining like terms.

$$\begin{array}{c}
 \downarrow \quad \downarrow \\
 -2(8n-4) - (1-3n) \\
 \boxed{-16n+8} \boxed{-1+3n} \\
 -13n + 7
 \end{array}$$

STOP STOP STOP

Classwork

Use the Distributive Property to expand then simplify by combining like terms.

$$\begin{array}{c}
 \downarrow \quad \downarrow \\
 -8(n-3) - 2(n-6) \\
 \boxed{-8n+24} \boxed{-2n+12} \\
 -10n + 36
 \end{array}$$

$$\begin{array}{c}
 \downarrow \quad \downarrow \\
 6(-7x-2) + 2(2-3x) \\
 \boxed{-42x-12} \boxed{+4-6x} \\
 -48x - 8
 \end{array}$$

$$\begin{array}{c}
 \downarrow \quad \downarrow \\
 5(-3+5n) + 8(n+3) \\
 \boxed{-15+25n} \boxed{+8n+24} \\
 33n + 9
 \end{array}$$

$$\begin{array}{c}
 \downarrow \quad \downarrow \\
 -1(n+3) - 7(-8-4n) \\
 \boxed{-1n-3} \boxed{+56+28n} \\
 27n + 53
 \end{array}$$

Mrs. Ferreri's Station ~ Distribute then Combine Like Terms***Distributive then Combine Like Terms.***

1) $8(-3 - 5n) + 7(6n + 2)$

2) $-3(7x - 1) - (-8x + 8)$

3) $-7(-7 + 6x) - 8(5x + 4)$

4) $7(3 - 6m) - 4(1 - 8m)$

5) $-4(7 + 2n) + 8(5 - 8n)$

6) $4(-3 + 5m) - 7(m + 8)$

7) $-5(1 + 3a) - 2(a - 2)$

8) $-8(3 + 5r) + 7(2 + 8r)$

9) $-2(p - 4) - 4(p + 1)$

10) $-7(5x + 3) - 5(x + 7)$

11) $-3(6n + 1) + 2(n + 7)$

12) $4(4x + 1) - 5(8 + 4x)$

13) $7(-3 + 4p) + 2(1 - 3p)$

14) $-3(n + 6) + 5(3 - 5n)$

15) $-8(5 + b) + 4(1 + 2b)$

Continue to the next page.

Choose a card. First use the Distributive Property then Combine Like Terms.

Computer Station ~ *Delta Math*

Sign into Delta Math and complete the “Combine Like Terms” Assignment.

****This assignment will be part of your Quarter 1 grade!**

Mrs. Kennedy’s Station ~ Scavenger Hunt then Task Cards

Pick a place to start the scavenger hunt. Show your work in the boxes below.

Continue onto the next page.

Task Cards

Choose a card. First use the Distributive Property then Combine Like Terms.

Homework ~ Wednesday 10/2**Use the Distributive Property to expand then simplify by combining like terms.**

$$-6n - 5(-6n + 5)$$

$$-6(1 + 3x) - 4x$$

$$5 - 2(8n + 2)$$

$$-6(6x + 2) - 7x$$

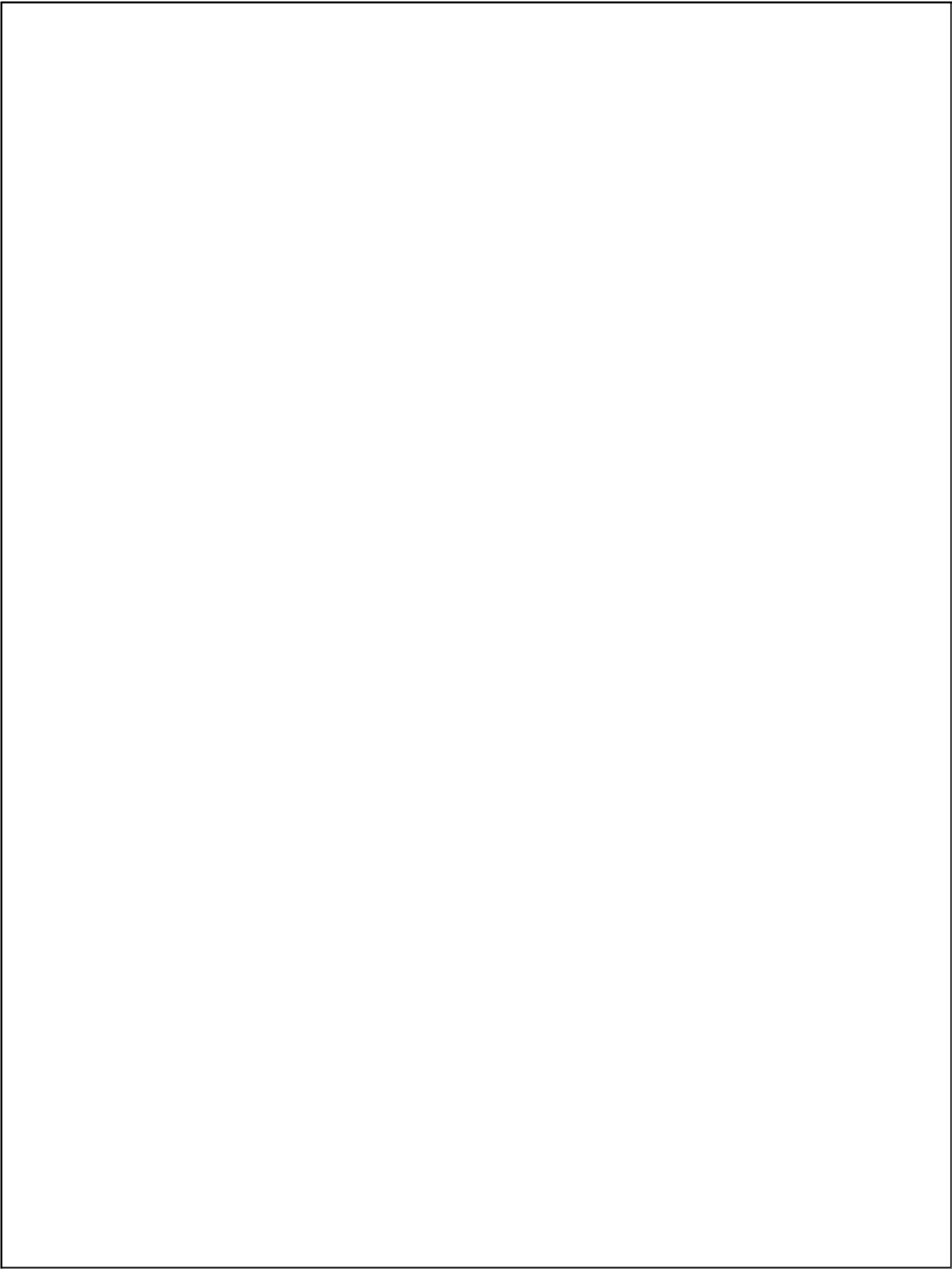
Homework ~ Thursday 10/3**Use the Distributive Property to expand then simplify by combining like terms.**

$$-2(5 + 3x) - 3(x - 2)$$

$$2(x + 2) + 5(x + 5)$$

$$4(3 + 4n) + 6(1 - 4n)$$

$$2(6b - 2) + 6(b - 8)$$



Name: _____ Unit 1 Graded Classwork

Use the Distributive Property to simplify.

1) $-2(x - 10)$

2) $-(x + 9)$

3) $3(4k + 1)$

4) $-5(n - 3)$

5) $-(2 + 4n)$

6) $-10(1 + 4b)$

7) $6(2x - 2)$

8) $-6(p - 4)$

9) $-7(6 + 7k)$

10) $-4(8x - 6)$

11) $-4(1 + x)$

12) $9(x + 1)$

13) $-10(x + 9)$

14) $5(3a + 1)$

15) $2(b + 3)$

Continue onto the back.

$$-4(-4a^2 + 8a + 5)$$

$$-6(-2m^2 - 4m - 1)$$

$$-2(3k^2 - 7k + 2)$$

$$2(-6p^2 - 2p - 2)$$

$$-4(x^2 - x + 6)$$

$$-6(7n^2 + 8n - 7)$$

$$2(-7k^2 + 3k + 2)$$

$$4(-8n^2 + 6n + 4)$$