

Name: _____ Date: _____ Period: _____

Distributive Property (positive numbers only)

1.) $5(3x + 7) =$

2.) $2(4x + 5) =$

3.) $9(7x - 4) =$

4.) $5(8x - 2) =$

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

6.) $2(9x + 6) - 8x + 2y - 3 =$

7.) $2(8x + 4) + 15 - 9x =$

8.) $3(2x + 5) + 7x =$

9.) $5(x + 10) + 5x - 3 =$

10.) $10(2x - 4) - 5 + 16x =$

$$5(x+10) + 2(5x-3)$$

Name: _____ Date: _____ Core: _____

Distributive Property

Simplify.

1. $6(4x + 8 + 4y) + 2y + 2$

2. $3(9x + 2) + 7(5 + x)$

3. $6 + 4y + 2(20 + y)$

4. $8(x + y + z) + 6 + 9z + 3x + 2y$

5. $2(4y + 18x) - 2y - 15x$

6. $10(4x + 10y) - 21x - 15x$

7. $5(3z + 2) + 4(8z - 1) + 21z$

8. $9 + 11x + 3(5 - x)$

9. $25 + 4(3y - 3) + 10y$

10. $6(3x + 10y) + 2(x - 20y)$

Simplify the Expressions

Worksheet #5

1.) $-2n(n+8) + 6(5 + 2n)$

2.) $-3x(-8 - 8x) - 6(x-7)$

3.) $-4(x+6) + 8(x+6)$

4.) $6(g+1) - 4g(8g+5)$

5.) $-x(x-3) + x(-2x-8)$

6.) $6(1+x) - 8x(-3 + 8x)$

7.) $5(1 - 3x) + 8x(1 + 4x)$

8.) $-7x(6 - 4x) - 2x(5x+8)$

9.) $-8(2x+6) + 6x(7x-3)$

10.) $-5x(-7 - 3x) + 4(1 - 2x)$