Distributive Property and Combining Like Terms

Monday, April 20

Assignment:

- **Review Week 5 (04-20 thru 04-24) Student Notes 1**
- **Review Week 5 (04-20 thru 04-24) Student Notes 2**
- **Watch Video: https://www.youtube.com/watch?v=4bD8DOXBOeo**
- **No written assignment.**

Calculator link: https://www.desmos.com/fourfunction

Tuesday, April 21

Assignment:
Use the distributive property to simplify each expression.

1. $3(3w + r)$

2. $10(9 + 8g)$

3. $10(11 + 4g)$

4. $11(12 + 11w)$

5. $11(7 + 9a)$

Distributive Property and Combining Like Terms

Wednesday, April 22

Assignment:
Simplify each expression by combining like terms.

1. $5u + u - 5u$

2. $6r - 3g + 4g - r$

3. $2p + 3 + p + 6$

4. $6x - 3x + y + 8y - x$

5. $20g + k + 14 + 4k - 3$

Distributive Property and Combining Like Terms

Thursday, April 23

Assignment:
Simplify each expression by using the Distributive Property and Combining Like Terms.

1. $8x + 4(11 + 3x)$

2. $4(5x + 1) + 6x$

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

4. $3(x + 2) + 2 + 4x$

5. $2(3x + 4) + 3 + 6x$

Distributive Property and Combining Like Terms

<mark>Friday, April 24</mark>

Assignment:
Answer each multiple choice question.

1. Choose the <u>two</u> expressions that are equivalent to 16k + 24.

    a.   8(4k + 6)
    b.   4(4k + 8)
    c.   4(4k + 6)
    d.   (2k + 3)8
    e.   (8k + 24)2

2. Determine if the expressions are equal. Use the symbols = or ≠ .

    (11 + 9)4 _____ (4 + 11) • (4 + 9)
    17k + 12 _____ 12 + 17k
    8(2 – 1) _____ 16 – 8
    2q + 18 _____ (2q + 9)2

3. Choose the <u>two</u> expressions that are equivalent to 7(5 + 4).

    a.   28 + 35
    b.   35 + 4
    c.   4(7 + 5)
    d.   (7 + 5) • (7 + 4)
    e.   (7 • 5) + (7 • 4)

4. Which expression is equivalent to 25t + 5?

    a.   25(t + 1)
    b.   5(5t + 1)

5. State whether or not the two expressions are equivalent.

$$y + 8(y + 1) \text{ and } 9y + 1$$