**Vocabulary. You will not use ALL the choices.**

Expression: \_\_\_\_\_\_ A. A number that multiplies a variable

Coefficient: \_\_\_\_\_\_\_ B. Numbers, letters or a combination separated by operators

Constant: \_\_\_\_\_\_\_\_\_\_ C. A number sentence without an equal sign

Term: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ D. A number that when added to another number equals zero

Variable: \_\_\_\_\_\_\_\_\_\_\_ E. A number not multiplied by a variable

Like Terms:\_\_\_\_\_\_\_\_\_\_\_ F. A letter used to represent an unknown quantity

 G. A positive or negative whole number

 H. Terms with the same variables and powers

**Identify Correct Parts of Expression**

$$3x+5 $$

**Combine Like Terms**

|  |  |
| --- | --- |
| **Expression** | **Simplified** |
| 2x + 3y + 8x – 4 |  |
| 3m + -3m + 4m + y  |  |
| -5x + x – 2y + 4y + 2 |  |
| 2x + 7y + 2 + x + y |  |
| 2x² + y + x² - 3y – 4x |  |
| 5x + y³ + 2y³ |  |

**Distribute**

|  |  |  |
| --- | --- | --- |
|  4(7y -2)  |  6(-q + 3r -8)  |  .3 (4a + b + 10) |

**Distribute & Combine Like Terms**

|  |  |  |
| --- | --- | --- |
|  12(3x + 2) - 24 | 3x + 5(x + y) | -7(2m + 6) + 8m - 17 |

**Factor**

|  |  |  |
| --- | --- | --- |
|  4x + 12 |  12y – 36  |  60y + 20x + 80 |

**Write three equivalent expressions for the perimeter of the rectangle:**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

2y

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

6y + 8

**Write three equivalent expressions for 3(-4x + 5)**

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