Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Simplifying Expressions Graphic Organizer**

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| **Problem Type** | **What to do?** | **Example** |
| **Addition/Subtraction** | \*Combine like terms (make families) using shapes | Ex) 5f2 + 2f – f + 8f2 |
| **Multiplication** | \*Multiply numbers first\*Add the exponents of the variables\*Put together | Ex) 2d · 5d3 · d2 · 2d2  |
| **Division** | \*Divide numbers first\*Subtract the exponents of the variables\*Put together | Ex) $25m^{2}$$$5m^{5}$$ |
| **Order of Operations** | \*GEMDAS | Ex) 53 – 23 + 4(m + 2) - 10 |