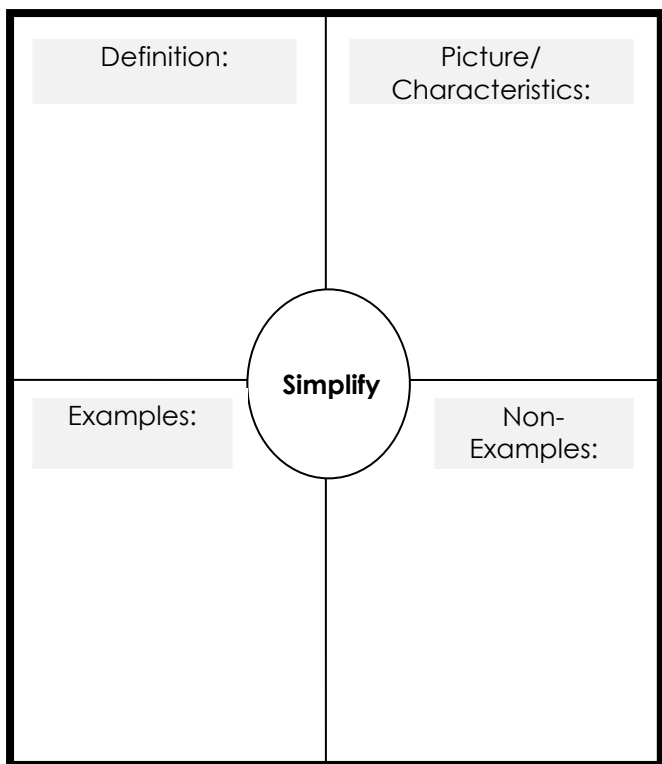
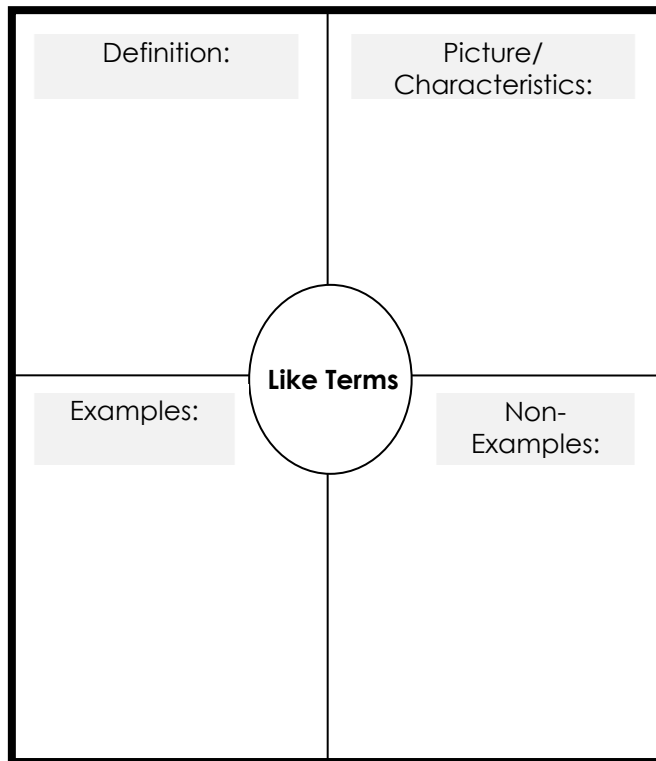
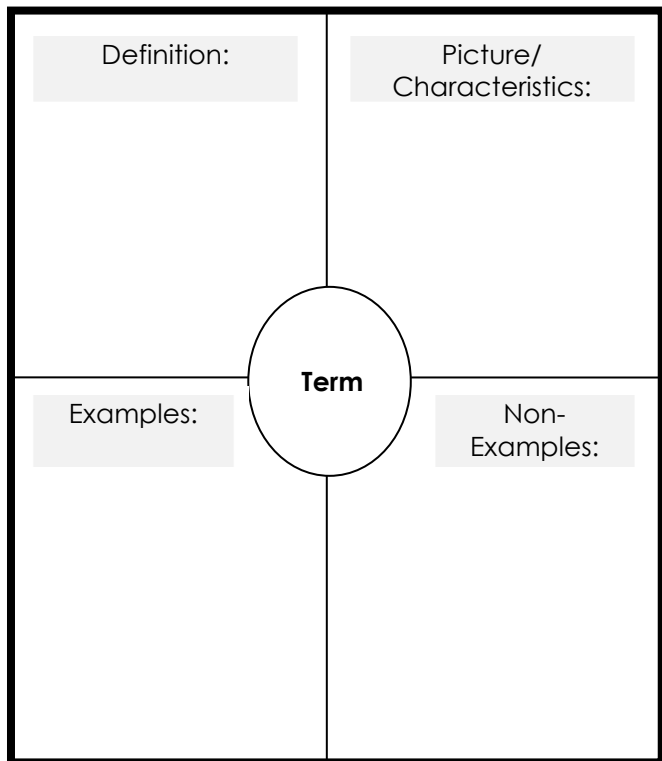


Simplifying Algebraic Expressions (II-I)



Examples: Simplify.

1) $7x + 2x$

2) $7y + 6y$

3) $7x + 9y$

4) $4z - 5 - 2z$

5) $3a^2 + 6 - 2a^2 + 9 + 5a$

6) $5z - z$

7) $9x + 3 - 4x$

Name _____ Class _____

8) $3x^2 + 9 + 3x^2 - 4 + 7x^2$

9) $5m^2 - 2m + 8 - 3m^2 + 6$

10) $k + 3n^2 - 2n^2 + 4k$

11) $3f - 9g^2 + 15$

12) $2(3y - 7)$

13) $6(y + 8) - 5y$

14) $8(3y + 5) - y$

15) $5(y + 2) - y$

16) $3(x + 6) + 8x$

17) $6(2x - 8) - 9x$

Examples: Solve!

1) $9x - x = 48$

2) $9p - 4p = 30$

3) $p + 3p = 16$

4) $3y + 5y = 64$

5) A rectangle has a length $5x$ and width x . Write and simplify an expression for the perimeter of the rectangle.

6) Charlie has x state quarters. Ty has 3 more quarters than Charlie has. Vinnie has 2 times as many quarters as Ty has. Write and simplify an expression to show how many state quarters they have in all.