Combining Like Terms

Lesson 1-4

Goals Aligned to TNCore Standards

- You will be able to rewrite an expression by simplifying.
- You will be able to identify equivalent forms of an expression.

Combining like terms

- Like terms must have the same variable and exponent.
- Examples:
- Simplify the following
- $6x - 4x + 5$

$$2x + 5$$

- $-3y + 2x$

$$-3y + 2x$$

Simplify

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

$$-7x^2 + 4x + 8$$

✳

- $3a^2 - 4 + 5a + 9 - 7a^2 - 6a$

$$-a - 4a^2 + 5$$

$$\boxed{-4a^2 - a + 5}$$

Simplify

- $4(6 + g) - g$

$24 + 4g - g$

$24 + 3g$

$\boxed{3g + 24}$

✳

- $m^2 + (3m^3 - 2m^2 + 4m)(3)$

$m^2 + 9m^3 - 6m^2 + 12m$

$9m^3 - 5m^2 + 12m$

- $5(2x^3 - 7x^2 + 3x)$

$10x^3 - 35x^2 + 15x$

Goals Aligned to TNCore Standards

- You will be able to rewrite an expression by simplifying.
- You will be able to identify equivalent forms of an expression.

SON, WHEN LIFE GIVES YOU TO SOMEONE, RUN, BECAUSE IT'S NOT GOING TO END WELL.

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