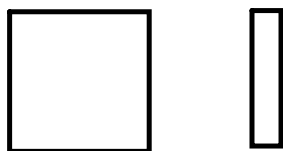


December 6, 2017

- 1. Complete Open-book assignment**
- 2. Complete Quiz...no book allowed.**
- 3. Read quietly until everyone is finished.**



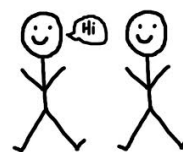
positive



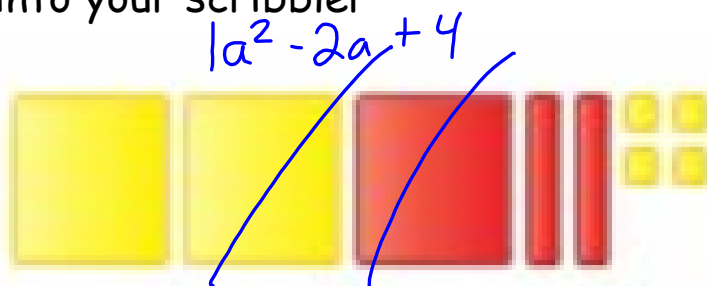
negative

Section 5.2

Like and Unlike Terms



Sketch it into your scribbler



Write the expression for the polynomial.

$$\textcircled{2}a^2 - \textcircled{1}a^2 - 2a + 4$$

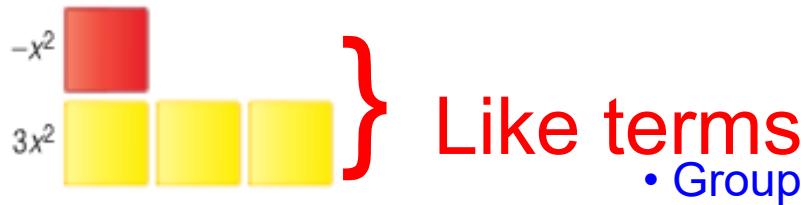
$$1a^2 - 2a + 4$$

Simplified
Answer



Like terms

Terms that can be represented by algebra tiles of the same **size** and **shape**





Simplifying Polynomials

To Simplify Polynomials you must first group the like terms!!!

$$4x^2 - 7x + 1 - 7x^2 + 2x + 3$$

Descending
order
[Group
like terms]

$$(4)x^2 \quad (-7)x^2 \quad + 2x \quad - 7x \quad + 3 + 1$$

Simplify

$$-3x^2 - 5x + 4$$

$$\textcircled{1} \quad \cancel{4n^2} - \cancel{1} - \cancel{3n} - \cancel{3} + \cancel{5n} - \cancel{2n^2}$$

② Group

[descending order]

$$\textcircled{4n^2} \textcircled{-2n^2} \boxed{-3n} \boxed{+5n} \boxed{-1-3}$$

③ Simplify

$$2n^2 + 2n - 4$$

$$\cancel{14x^2} - 11 + \cancel{30x} + 3 + 15x - \cancel{25x^2}$$

Group $(14x^2 - 25x^2) + 30x + 15x + 3 - 11$

Simplify $-11x^2 + 45x - 8$