Any Homework Questions?

Quiz Friday Section 5.1 and 5.2

$5 - v + 7v^2$

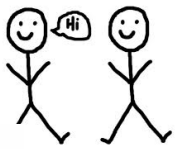
$7v^2 - v + 5$

$v^2 + 5v - 7$

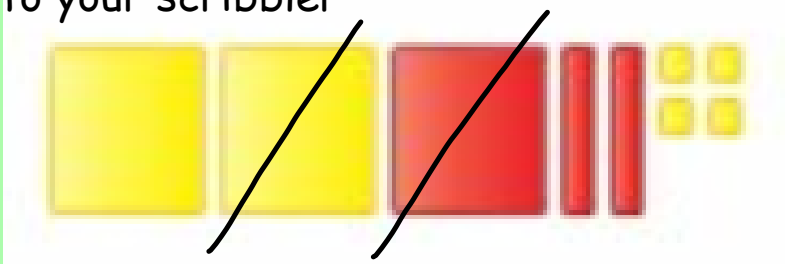
$-v^2 + 7v + 5$

Section 5.2

Like and Unlike Terms



Sketch it into your scribbler



Write the expression for the polynomial.

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

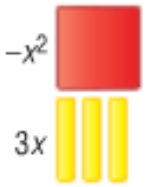
Simplified Expression $1x^2 - 2x + 4$

Like terms

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

} Like terms

- Group
- Simplify



} unlike terms

- cannot be grouped
- Cannot be simplified

Simplifying Polynomials

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

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

Descending order [Group]

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

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

① $4n^2 - 1 - 3n - 3 + 5n - 2n^2$

$4n^2 - 2n^2 - 3n + 5n - 1 - 3$

$-2n^2 + 4n^2 + 5n - 3n - 1 - 3$

② Group

[descending order]

③ Simplify

$2n^2 + 2n - 4$

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

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

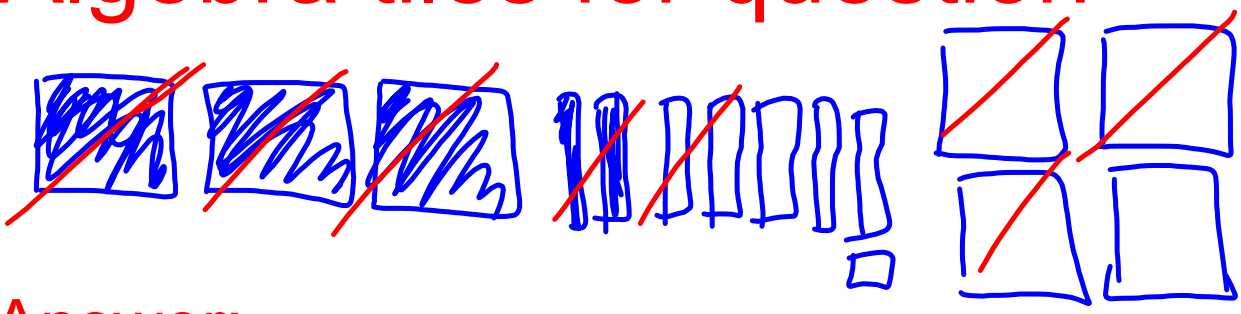
Simplify $-11x^2 + 45x - 8$

Simplify by sketching the algebra tiles

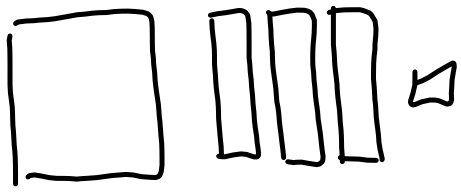
Question:

$-3b^2 - 2b + 5b + 4b^2 + 1$

Algebra tiles for question



Answer:



Identify the like terms

1) same degree
2) same variable

$-3x^2, 4x, -2x^2, 2, 5x, -3, -4y^2$

$-3x^2, -2x^2$

$4x, 5x$

$2, -3$

$4y^2$

Do your Homework!

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6,7,8
9 [simplify]

Quiz Friday Section 5.1/5.2

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#11 sketch tiles

11. a) Question

Answer

12 a, c, e

3 steps

Group like terms first then simplify