last Nights Homework

Any Questions???

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 # 10(i, iv)
#11a, e, h
#12
#14
#15
#16a
#17

Things you already know...

18 - 5= 13

12 - (-5)= 17

-16 - (-11)= -5

15x - 31x=

-16x


Section 5.4
Subtraction
of
Polynomials

Method: 2

(5x - 11) - (3x - 6)

5x - 11 - (3x) - (- 6)

5x - 11 - 3x + 6

(5x - 11) - (3x - 6)

Add the Opposite!

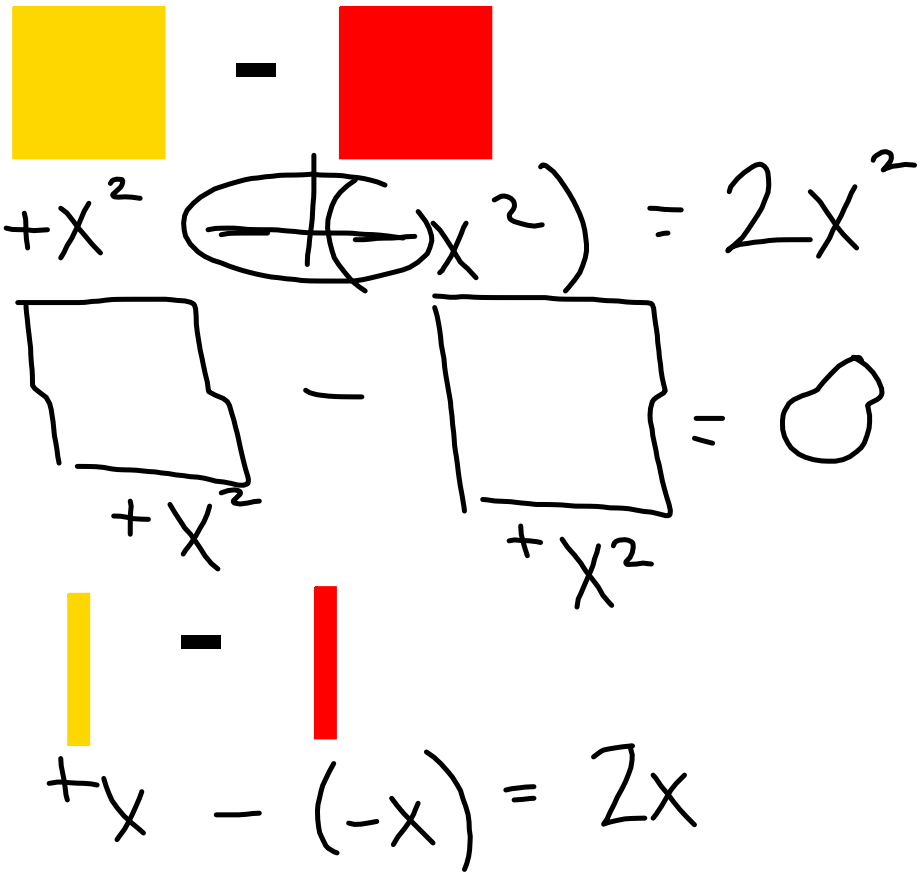
Remove the brackets.

5x - 11 - 3x + 6

Collect like terms.

5x - 3x - 11 + 6

2x - 5


$+x^2 - (-x^2) = 2x^2$
$+x^2$
$+x^2$
$= 0$
$+x - (-x) = 2x$
$+1 - (-1) = 2$

You Try $(20x^2 + 12x - 7) - (13x^2 - 2)$

$20x^2 + 12x - 7 - 13x^2 + 2$

$20x^2 - 13x^2 + 12x - 7 + 2$

$7x^2 + 12x - 5$

Try This! $(6x^2-4x+2)-(-8x^2-9x+2)$

$(6x^2-4x+2)-(-8x^2-9x+2)$

$6x^2-4x+2 \quad +8x^2+9x-2$

$6x^2+8x^2-4x+9x+2-2$

$14x^2+5x$

Example 3.

The height of a ball kicked on Earth can be modelled by: $18 + 35t - 4.9t^2$
On Mars the height is modelled by: $52 + 26t - 1.3t^2$
Find a formula for the difference in the height of the ball on Mars as compared to Earth.

Mars - Earth

$$(52 + 26t - 1.3t^2) - (18 + 35t - 4.9t^2)$$

$$52 + 26t - 1.3t^2 - 18 - 35t + 4.9t^2$$

$$4.9t^2 - 1.3t^2 + 26t - 35t - 18 + 52$$

$$3.6t^2 - 9t + 34$$

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(No algebra tiles just combine like terms and subtract)

#7 a,c
#8 a, c, f, h
#9 a, b
#13a, b
#15 c
#16a