1) Collect like terms and Simplify

a)$(5x^2 -2x +7) +(-8x^2 + 9x -12)$

b)$(12x^2 -8xy +5y^2) - (6x^2 - 13xy + 7)$

Warm Up

1) Collect like terms and Simplify

a)$(5x^2 - 2x + 7) + (-8x^2 + 9x - 12)$

$5x^2 - 2x + 7 - 8x^2 + 9x - 12$

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

b)$(12x^2 - 8xy + 5y^2) - (6x^2 - 13xy + 7)$

$12x^2 - 8xy + 5y^2 - 6x^2 + 13xy - 7$

$6x^2 + 5y^2 + 5xy - 7$

Any Questions From Last Night's Homework????

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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

The subtract difference of two polynomials is $-5x^2 + 3x - 8$ and one polynomial is $3x^2 - 7x + 9$, what is the other polynomial?

$(3x^2 - 7x + 9) - (8x^2 + 10x + 17)$

$-5x^2 + 3x - 8$

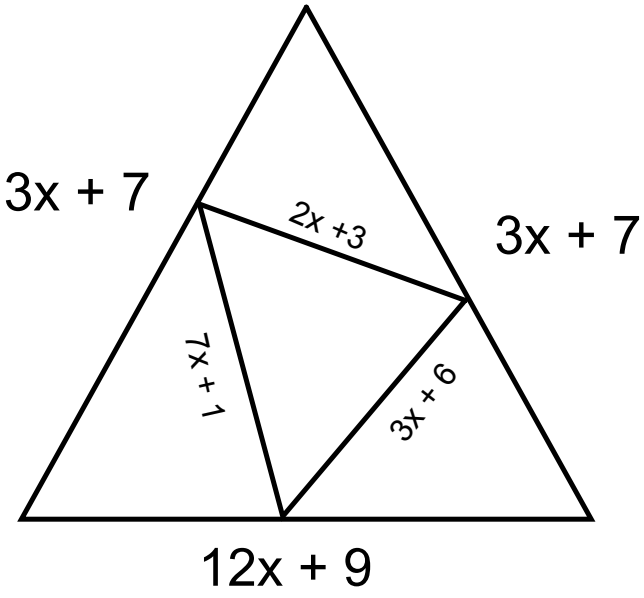
$3x^2 - 8x^2 = -5x^2$

$$3x^2 - 7x + 9$$

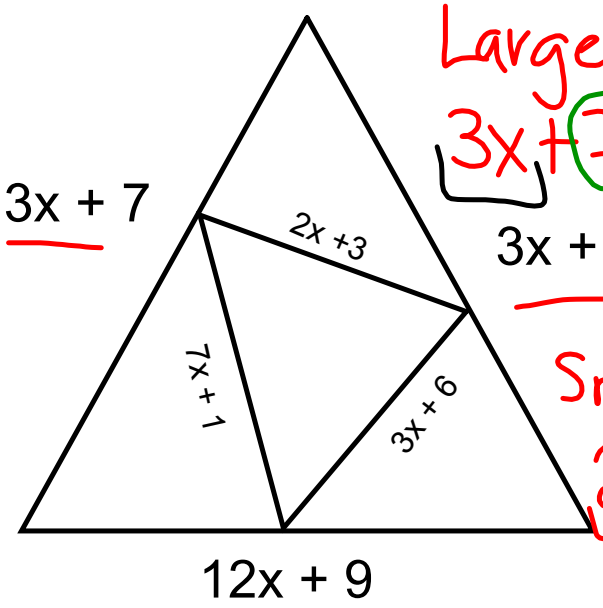
$$-$$

$$-5x^2 + 3x - 8$$

The diagram shows one triangle inside another triangle. What is the difference in perimeter of the triangles?



The diagram shows one triangle inside another triangle. What is the difference in perimeter of the triangles?



Add

Large: $(3x+7)+(3x+7)+(12x+9)$

$3x+7+3x+7+12x+9$

$3x+7$ $\quad 18x+23$

Small: $(2x+3)+(3x+6)+(7x+1)$

$2x+3+3x+6+7x+1$

$12x+10$

$(18x+23)-(12x+10)$

$18x+23-12x-10$

$6x+13$

Class/Homework

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(No algebra tiles just combine like terms and subtract)

#7 b,d
#8 b,d
#10 b
#12 just correct
#15 a,d
#17
#18