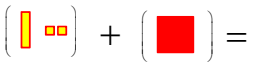
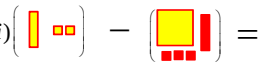
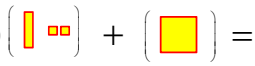
SIMPLIFY AND WRITE YOUR ANSWER ALGEBRAICALLY:

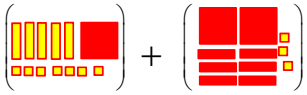
i) 

ii) 

iii) 

iv) 

SIMPLIFY THE EQUATION:



CONSIDER THE EQUATION, WHAT IS THE CONSTANT TERM FOR EACH EXPRESSION?

i) $8x^6 - x^2 + 11$ Constant:

ii) $8x^6 - (3x - 10)$ Constant:

iii) $x^6 - 5y^4 - 9x^2 - 8x$ Constant:

CONSIDER THE EXPRESSIONS, WHAT ARE THE COEFFICIENTS?

i) $a^3b - 9a^2c - 8c + 4$ Coefficients:

ii) $-5ab^2 - 2^3c - (2a + 4)$ Coefficients:

CONSIDER THE EXPRESSIONS, WHAT IS THE DEGREE?

i) $5a^3b^2 - 9b^2c^4 - 8a^3b^2c^2$ Degree:

ii) $5ab^2 - 9b^2c - 8ab^2c$ Degree:

iii) $a^3b - 5^3ab^2 + 9a^2b^2c$ Degree:

SIMPLIFY THE EQUATION:

$(5x^2 - 9x + 3) + (4x^2 + 4x - 12)$

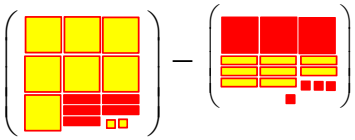
a) $9x^2 + 5x - 9$ *d)* $9x^2 - 13x - 9$

b) $9x^2 - 5x + 15$ *e)* $9x^2 - 13x + 9$

c) $9x^2 - 5x - 9$

ANSWER:

SIMPLIFY THE EXPRESSION:



a) $10x^2 + 3x - 2$ *d)* $4x^2 + 3x - 6$

b) $4x^2 - 3x + 6$ *e)* $10x^2 - 13x + 6$

c) $10x^2 - 3x + 6$

ANSWER:

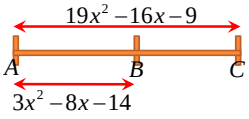
SIMPLIFY THE EQUATION:

$x - [7 - (x - 2)]$

a) $2x + 9$ *b)* $2x - 9$ *c)* $9 - 2x$ *d)* $9 + 2x$ *e)* $2x - 5$

ANSWER:

Given the diagram, How long is BC?



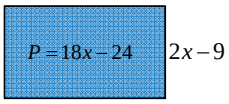
a) $16x^2-8x-5$ *d*) $16x^2-8x+5$

b) $16x^2-24x+5$ *e*) $22x^2-19x-23$

c) $-16x^2+8x-5$

ANSWER:

The perimeter and width of the rectangle is given. What is the length?



a) $7x+3$ *b*) $-7x+3$ *c*) $7x-3$ *d*) $16x-15$ *e*) $16x+15$

ANSWER:

Multiply and Simplify:

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

a) $12x^8-16x^4+20$ *d*) $12x^2-16x+20$

b) $36x^2-16x+20$ *e*) $12x^2-16x+5$

c) $12x^2-4x+20$

ANSWER:

Multiply and Simplify:

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

a) $15x^2-6x+21$ *d*) $225x^2-6x+7$

b) $15x^6-6x^3+21$ *e*) $8x^2+x+10$

c) $225x^2-6x+21$

ANSWER:

Divide and Simplify the equation:

$$\frac{-15x^4-21x+9}{-3}$$

a) $5x^4-7x-3$ *d*) $-5x^4+7x-3$

b) $5x^4+7x-3$ *e*) $-5x^4+7x+3$

c) $-12x^4-18x+12$

ANSWER:

The diagram could visually describe which of the following products

$4x^2$	$16x$
$3x$	12

a) $(2x+3)(2x+4)$ *d*) $(x+3)(4x+4)$

b) $(4x+3)(x-4)$ *e*) $(x+3)(3x+4)$

c) $(x+4)(4x+3)$

ANSWER:)

The diagram could visually describe which of the following products

$6x^2$	$10x$
$9x$	15

a) $(3x+5)(2x+3)$ *d*) $(3x+1)(2x+15)$

b) $(2x+5)(3x+3)$ *e*) $(3x+15)(2x+1)$

c) $(6x+5)(x+3)$

ANSWER:)

Given the equation, what is the value of "B"?

$(2x-5)(x+3)=Ax^2+Bx+C$

a) $-x$ *b*) -2 *c*) -1 *d*) 1 *e*) 2

ANSWER: