PREVIEW CLOSE

Quiz: Polynomial Multiplication (Advanced)

Question 1a of 14 (3 Multiplying polynomials vertically or horizontally 91134)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: What is the product of the polynomials below?

$(7x^2 + 9x + 7)(9x - 4)$

	Choice	Feedback
A.	$63x^3 + 53x^2 + 59x - 28$	
***B.**	$63x^3 + 53x^2 + 27x - 28$	
C.	$63x^3 + 81x^2 + 27x - 28$	
D.	$63x^3 + 53x^2 + 27x + 28$	

Global Incorrect Feedback
The correct answer is: $63x^3 + 53x^2 + 27x - 28$.

Question 1b of 14 (3 Multiplying polynomials vertically or horizontally 284222)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: What is the product of the polynomials below?

$(8x^2 + 6x + 8)(6x - 5)$

	Choice	Feedback
A.	$48x^3 - 4x^2 + 78x - 40$	
B.	$48x^3 - 4x^2 + 18x + 40$	
C.	$48x^3 - 76x^2 + 18x - 40$	
***D.**	$48x^3 - 4x^2 + 18x - 40$	

Global Incorrect Feedback
The correct answer is: $48x^3 - 4x^2 + 18x - 40$.

Question 1c of 14 (3 Multiplying polynomials vertically or horizontally 284223)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: What is the product of the polynomials below?

$(7x^2 + 5x + 7)(4x - 6)$

	Choice	Feedback
A.	$28x^3 - 22x^2 - 2x + 42$	
B.	$28x^3 - 22x^2 - 58x - 42$	
***C.**	$28x^3 - 22x^2 - 2x - 42$	
D.	$28x^3 - 62x^2 - 2x - 42$	

Global Incorrect Feedback
The correct answer is: $28x^3 - 22x^2 - 2x - 42$.

Question 2a of 14 (3 Multiplying polynomials vertically or horizontally 91135)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: What is the product of the polynomials below?

$(x + 2)(2x^2 + 9x + 8)$

	Choice	Feedback
***A.**	$2x^3 + 13x^2 + 26x + 16$	
B.	$16x^3 + 72x^2 + 46x - 16$	
C.	$2x^3 + 17x^2 + 22x + 16$	
D.	$2x^3 + 13x^2 - 26x + 16$	

Global Incorrect Feedback
The correct answer is: $2x^3 + 13x^2 + 26x + 16$.

Question 2b of 14 (3 Multiplying polynomials vertically or horizontally 284224)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: What is the product of the polynomials below?

$(x + 3)(3x^2 + 8x + 9)$

	Choice	Feedback
A.	$3x^3 + 17x^2 + 33x - 27$	
***B.**	$3x^3 + 17x^2 + 33x + 27$	
C.	$3x^3 + x^2 + 33x + 27$	
D.	$3x^3 + 17x^2 - 15x + 27$	

Global Incorrect Feedback
The correct answer is: $3x^3 + 17x^2 + 33x + 27$.

Question 2c of 14 (3 Multiplying polynomials vertically or horizontally 284225)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: What is the product of the polynomials below?

$(x + 1)(4x^2 + 7x + 6)$

	Choice	Feedback
A.	$4x^3 + 7x^2 + 13x + 6$	
B.	$4x^3 + 11x^2 + 13x - 6$	
***C.**	$4x^3 + 11x^2 + 13x + 6$	
D.	$8x^3 + 11x^2 + 13x + 6$	

Global Incorrect Feedback
The correct answer is: $4x^3 + 11x^2 + 13x + 6$.

Question 3a of 14 (3 Multiplying polynomials vertically or horizontally 91136)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: What is the product of the polynomials below?

$(4x^2 + 3x + 7)(8x - 5)$

	Choice	Feedback
A.	$32x^3 - 44x^2 - 71x - 35$	
B.	$32x^3 + 4x^2 + 41x + 35$	
C.	$32x^3 - 4x^2 - 41x + 35$	
***D.**	$32x^3 + 4x^2 + 41x - 35$	

Global Incorrect Feedback
The correct answer is: $32x^3 + 4x^2 + 41x - 35$.

Question 3b of 14 (3 Multiplying polynomials vertically or horizontally 284226)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: What is the product of the polynomials below?

$(5x^2 + 2x + 8)(7x - 6)$

	Choice	Feedback
***A.**	$35x^3 - 16x^2 + 44x - 48$	
B.	$35x^3 - 14x^2 + 44x - 48$	
C.	$35x^3 - 16x^2 - 44x - 48$	
D.	$35x^3 - 16x^2 + 44x + 48$	

Global Incorrect Feedback
The correct answer is: $35x^3 - 16x^2 + 44x - 48$.

Question 3c of 14 (3 Multiplying polynomials vertically or horizontally 284227)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: What is the product of the polynomials below?

$(3x^2 + 5x + 9)(6x - 8)$

	Choice	Feedback
A.	$18x^3 + 6x^2 - 104x - 72$	
B.	$18x^3 - 6x^2 + 14x - 72$	
***C.**	$18x^3 + 6x^2 + 14x - 72$	
D.	$18x^3 + 6x^2 - 14x - 72$	

Global Incorrect Feedback
The correct answer is: $18x^3 + 6x^2 + 14x - 72$.

Question 4a of 14 (3 Multiplying polynomials vertically or horizontally 91137)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: What is the product of the polynomials below?

$(2x^2 + 6x + 6)(3x - 2)$

	Choice	Feedback
A.	$6x^3 - 22x^2 - 30x - 12$	
B.	$6x^3 - 14x^2 + 6x + 12$	
***C.**	$6x^3 + 14x^2 + 6x - 12$	
D.	$6x^3 + 14x^2 + 6x + 12$	

Global Incorrect Feedback
The correct answer is: $6x^3 + 14x^2 + 6x - 12$.

Question 4b of 14 (3 Multiplying polynomials vertically or horizontally 284228)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: What is the product of the polynomials below?

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

	Choice	Feedback
A.	$6x^3 - 20x^2 - 24x - 16$	
B.	$6x^3 - 4x^2 - 8x + 16$	
C.	$6x^3 - 4x^2 + 8x - 16$	
***D.**	$6x^3 - 4x^2 - 8x - 16$	

Global Incorrect Feedback
The correct answer is: $6x^3 - 4x^2 - 8x - 16$.

Question 4c of 14 (3 Multiplying polynomials vertically or horizontally 284229)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: What is the product of the polynomials below?

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

	Choice	Feedback
***A.**	$8x^3 + 14x^2 + 5x - 15$	
B.	$8x^3 + 14x^2 + 5x + 15$	
C.	$8x^3 + 14x^2 - 15x - 15$	
D.	$8x^3 + 14x^2 - 5x + 15$	

Global Incorrect Feedback
The correct answer is: $8x^3 + 14x^2 + 5x - 15$.

Question 5a of 14 (3 Multiplying polynomials vertically or horizontally 91138)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: What is the product of the polynomials below?

$(4x^2 + 4x + 6)(7x + 5)$

	Choice	Feedback
***A.**	$28x^3 + 48x^2 + 62x + 30$	
B.	$28x^3 - 40x^2 + 70x + 30$	
C.	$28x^3 + 8x^2 + 22x + 30$	
D.	$28x^3 + 8x^2 + 22x - 30$	

Global Incorrect Feedback
The correct answer is: $28x^3 + 48x^2 + 62x + 30$.

Question 5b of 14 (3 Multiplying polynomials vertically or horizontally 284230)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: What is the product of the polynomials below?

$(5x^2 + 5x + 7)(8x + 6)$

	Choice	Feedback
A.	$40x^3 + 10x^2 + 86x - 42$	
B.	$48x^3 + 70x^2 + 86x + 42$	
C.	$40x^3 + 60x^2 + 86x + 42$	
***D.**	$40x^3 + 70x^2 + 86x + 42$	

Global Incorrect Feedback
The correct answer is: $40x^3 + 70x^2 + 86x + 42$.

Question 5c of 14 (3 Multiplying polynomials vertically or horizontally 284231)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: What is the product of the polynomials below?

$(3x^2 + 3x + 5)(6x + 4)$

	Choice	Feedback
A.	$18x^3 + 30x^2 + 2x - 20$	
***B.**	$18x^3 + 30x^2 + 42x + 20$	
C.	$18x^3 + 6x^2 + 42x + 20$	
D.	$18x^3 + 30x^2 + 42x - 20$	

Global Incorrect Feedback
The correct answer is: $18x^3 + 30x^2 + 42x + 20$.

Question 6a of 14 (3 Multiplying polynomials vertically or horizontally 91139)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: What is the product of the polynomials below?

$(7x^2 + 9x + 8)(9x^3 + 7x)$

	Choice	Feedback
A.	$63x^6 + 81x^4 + 121x^3 + 63x^2 + 56x$	
B.	$63x^5 + 153x^4 + 112x^3 + 56x$	
***C.**	$63x^5 + 81x^4 + 121x^3 + 63x^2 + 56x$	
D.	$63x^5 + 81x^4 - 121x^3 + 63x^1 + 56x$	

Global Incorrect Feedback
The correct answer is: $63x^5 + 81x^4 + 121x^3 + 63x^2 + 56x$.

Question 6b of 14 (3 Multiplying polynomials vertically or horizontally 284232)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: What is the product of the polynomials below?

$(8x^2 + 7x + 9)(7x^3 + 9x)$

	Choice	Feedback
A.	$56x^5 + 49x^4 + 135x^3 + 63x^2 - 81x$	
***B.**	$56x^5 + 49x^4 + 135x^3 + 63x^2 + 81x$	
C.	$56x^5 + 49x^4 + 9x^3 + 63x^2 - 81x$	
D.	$56x^5 + 49x^4 + 135x^3 + 81x$	

Global Incorrect Feedback
The correct answer is: $56x^6 + 49x^4 + 135x^3 + 63x^2 + 81x$.

Question 6c of 14 (3 Multiplying polynomials vertically or horizontally 284233)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: What is the product of the polynomials below?

$(9x^2 + 8x + 7)(7x^3 + 9x)$

	Choice	Feedback
A.	$63x^5 + 81x^4 + 130x^3 + 72x^2 + 63x$	
B.	$63x^5 + 56x^4 + 49x^3 + 72x^2 + 63x$	
***C.**	$63x^5 + 56x^4 + 130x^3 + 72x^2 + 63x$	
D.	$63x^5 + 81x^4 + 130x^3 + 72x^2 + 63x$	

Global Incorrect Feedback
The correct answer is: $63x^5 + 56x^4 + 130x^3 + 72x^2 + 63x$.

Question 7a of 14 (3 Multiplying polynomials vertically or horizontally 91140)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: What is the product of the polynomials below?

$(6x^3 - 3x^2 + 5x + 9)(7x + 9)$

	Choice	Feedback
A.	$42x^4 - 33x^3 - 8x^2 + 108x + 81$	
B.	$42x^4 + 33x^3 + 8x^2 + 18x + 81$	
C.	$42x^4 + 33x^3 + 8x^2 + 108x - 81$	
***D.**	$42x^4 + 33x^3 + 8x^2 + 108x + 81$	

Global Incorrect Feedback
The correct answer is: $42x^4 + 33x^3 + 8x^2 + 108x + 81$.

Question 7b of 14 (3 Multiplying polynomials vertically or horizontally 284234)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: What is the product of the polynomials below?

$(5x^3 - 4x^2 + 6x + 8)(9x + 7)$

	Choice	Feedback
A.	$45x^4 - x^3 + 26x^2 + 72x - 56$	
***B.**	$45x^4 - x^3 + 26x^2 + 114x + 56$	
C.	$45x^4 - x^3 + 82x^2 + 114x + 56$	
D.	$45x^4 - x^3 + 26x^2 + 72x + 56$	

Global Incorrect Feedback
The correct answer is: $45x^4 - x^3 + 26x^2 + 114x + 56$.

Question 7c of 14 (3 Multiplying polynomials vertically or horizontally 284235)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: What is the product of the polynomials below?

$(7x^3 - 4x^2 + 3x + 7)(8x + 7)$

	Choice	Feedback
A.	$56x^4 + 17x^3 - 4x^2 - 77x + 49$	
B.	$56x^4 + 17x^3 + 4x^2 + 77x + 49$	
***C.**	$56x^4 + 17x^3 - 4x^2 + 77x + 49$	
D.	$56x^4 + 17x^3 - 4x^2 + 56x + 49$	

Global Incorrect Feedback
The correct answer is: $56x^4 + 17x^3 - 4x^2 + 77x + 49$.

Question 8a of 14 (3 Multiplying polynomials vertically or horizontally 91141)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: What is the product of the polynomials below?

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

	Choice	Feedback
A.	$16x^4 + 8x^3 + 4x^2 + 4x + 16$	
***B.**	$16x^4 + 24x^3 + 20x^2 + 28x + 16$	
C.	$16x^4 + 24x^3 + 20x^2 - 28x - 16$	
D.	$16x^4 + 16x^3 - 4x^2 + 28x + 16$	

Global Incorrect Feedback
The correct answer is: $16x^4 + 24x^3 + 20x^2 + 28x + 16$.

Question 8b of 14 (3 Multiplying polynomials vertically or horizontally 284236)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: What is the product of the polynomials below?

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

	Choice	Feedback
A.	$25x^4 + 50x^3 + 35x^2 + 45x + 25$	
B.	$25x^4 + 40x^3 + 5x^2 + 45x + 25$	
C.	$25x^4 + 40x^3 - 5x^2 + 45x + 25$	
***D.**	$25x^4 + 40x^3 + 35x^2 + 45x + 25$	

Global Incorrect Feedback
The correct answer is: $25x^4 + 40x^3 + 35x^2 + 45x + 25$.

Question 8c of 14 (3 Multiplying polynomials vertically or horizontally 284237)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: What is the product of the polynomials below?

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

	Choice	Feedback
A.	$9x^4 + 21x^3 + 15x^2 + 24x - 9$	
B.	$9x^4 + 21x^3 + 27x^2 + 24x - 9$	
***C.**	$9x^4 + 21x^3 + 27x^2 + 24x + 9$	
D.	$9x^4 + 21x^3 + 15x^2 + 24x + 9$	

Global Incorrect Feedback
The correct answer is: $9x^4 + 21x^3 + 27x^2 + 24x + 9$.

Question 9a of 14 (3 Multiplying polynomials vertically or horizontally 120315)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive: false
Correct Answer: 12x^4+7x^3-2x^2+5x+2, 12x^4+7x^3-2x^2+5x^1+2
Question: Find the products of the polynomials below. Enter your answer in descending order in the box below. Enter exponents using the caret (^). For example, you would enter $4x^2$ as 4x^2.

$(4x^2 - 3x + 2)(3x^2 + 4x + 1)$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $12x^4 + 7x^3 - 2x^2 + 5x + 2$.

Question 9b of 14 (3 Multiplying polynomials vertically or horizontally 284238)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive: false
Correct Answer: 10x^4+11x^3+7x^2+10x+4, 10x^4+11x^3+7x^2+10x^1+4
Question: Find the products of the polynomials below. Enter your answer in descending order in the box below. Enter exponents using the caret (^). For example, you would enter as 4x^2.

$(5x^2 - 2x + 4)(2x^2 + 3x + 1)$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $10x^4 + 11x^3 + 7x^2 + 10x + 4$.

Question 9c of 14 (3 Multiplying polynomials vertically or horizontally 284239)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive: false
Correct Answer: 24x^4+8x^3+16x^2+5x+3, 24x^4+8x^3+16x^2+5x^1+3
Question: Find the products of the polynomials below. Enter your answer in descending order in the box below. Enter exponents using the caret (^). For example, you would enter $4x^2$ as 4*x*^2.

$(6x^2 - x + 3)(4x^2 + 2x + 1)$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $24x^4 + 8x^3 + 16x^2 + 5x + 3$.

Question 10a of 14 (3 Multiplying polynomials vertically or horizontally 120316)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive: false
Correct Answer: 9x^4-41x^3+51x^2+37x-8, 9x^4-41x^3+51x^2+37x^1-8
Question: Find the products of the polynomials below. Enter your answer in descending order in the box below. Enter exponents using the caret (^). For example, you would enter $4x^2$ as 4*x*^2.

$(9x^2 + 4x - 1)(x^2 - 5x + 8)$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $9x^4 - 41x^3 + 51x^2 + 37x - 8$.

Question 10b of 14 (3 Multiplying polynomials vertically or horizontally 284240)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive: false
Correct Answer: 8x^4-29x^3+59x^2+31x-9, 8x^4-29x^3+59x^2+31x^1-9
Question: Find the products of the polynomials below. Enter your answer in descending order in the box below. Enter exponents using the caret (^). For example, you would enter as 4*x*^2.

$(8x^2 + 3x - 1)(x^2 - 4x + 9)$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $8x^4 - 29x^3 + 59x^2 + 31x - 9$.

Question 10c of 14 (3 Multiplying polynomials vertically or horizontally 284241)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: 7x^4-37x^3+32x^2+51x-9, 7x^4-37x^3+32x^2+51x^1-9

Question: Find the products of the polynomials below. Enter your answer in descending order in the box below. Enter exponents using the caret (^). For example, you would enter $4x^2$ as 4x^2.

$(7x^2 + 5x - 1)(x^2 - 6x + 9)$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $7x^4 - 37x^3 + 32x^2 + 51x - 9$.

Question 11a of 14 (3 Multiplying polynomials vertically or horizontally 120320)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: 5x^4+10x^3+32x^2+4x+12, 5x^4+10x^3+32x^2+4x^1+12

Question: Find the products of the polynomials below. Enter your answer in descending order in the box below. Enter exponents using the caret (^). For example, you would enter as 4x^2.

$(x^2 + 2x + 6)(5x^2 + 2)$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $5x^4 + 10x^3 + 32x^2 + 4x + 12$.

Question 11b of 14 (3 Multiplying polynomials vertically or horizontally 284242)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive: false
Correct Answer: 4x^4+12x^3+23x^2+9x+15, 4x^4+12x^3+23x^2+9x^1+15
Question: Find the products of the polynomials below. Enter your answer in descending order in the box below. Enter exponents using the caret (^). For example, you would enter $4x^1$ as 4*x*^2.

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

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $4x^4 + 12x^3 + 23x^2 + 9x + 15$.

Question 11c of 14 (3 Multiplying polynomials vertically or horizontally 284243)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive: false
Correct Answer: 3x^4+15x^3+17x^2+25x+20, 3x^4+15x^3+17x^2+25x^1+20
Question: Find the products of the polynomials below. Enter your answer in descending order in the box below. Enter exponents using the caret (^). For example, you would enter $4x^2$ as 4*x*^2.

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

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $3x^4 + 15x^3 + 17x^2 + 25x + 20$.

Question 12a of 14 (3 Multiplying polynomials vertically or horizontally 120324)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive: false
Correct Answer: x^5-x^4+2x^3-6x-3, 1x^5-1x^4+2x^3-6x-3, x^5-x^4+2x^3-6x^1-3, 1x^5-1x^4+2x^3-6x^1-3
Question: Find the products of the polynomials below. Enter your answer in descending order in the box below. Enter exponents using the caret (^). For example, you would enter as 4*x*^2.

$(x^3 + 3x + 3)(x^2 - x - 1)$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $x^5 - x^4 + 2x^3 - 6x - 3$.

Question 12b of 14 (3 Multiplying polynomials vertically or horizontally 284244)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: x^5-x^4+x^3-4x-2, 1x^5-1x^4+1x^3-4x-2, x^5-x^4+x^3-4x^1-2, 1x^5-1x^4+1x^3-4x^1-2

Question: Find the products of the polynomials below. Enter your answer in descending order in the box below. Enter exponents using the caret (^). For example, you would enter $4x^2$ as 4x^2.

$(x^3 + 2x + 2)(x^2 - x - 1)$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $x^5 - x^4 + x^3 - 4x - 2$.

Question 12c of 14 (3 Multiplying polynomials vertically or horizontally 284245)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: x^5-x^4+5x^3-12x-6, 1x^5-1x^4+5x^3-12x-6, x^5-x^4+5x^3-12x^1-6, 1x^5-1x^4+5x^3-12x^1-6

Question: Find the products of the polynomials below. Enter your answer in descending order in the box below. Enter exponents using the caret (^). For example, you would enter as 4x^2.

$(x^3 + 6x + 6)(x^2 - x - 1)$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $x^5 - x^4 + 5x^3 - 12x - 6$.

Question 13a of 14 (3 Multiplying polynomials vertically or horizontally 120331)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive: false
Correct Answer: 8x^4+12x^3+10x^2-9x-12, 8x^4+12x^3+10x^2-9x^1-12
Question: Find the products of the polynomials below. Enter your answer in descending order in the box below. Enter exponents using the caret (^). For example, you would enter $4x^2$ as 4*x*^2.

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

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $8x^4 + 12x^3 + 10x^2 - 9x - 12$.

Question 13b of 14 (3 Multiplying polynomials vertically or horizontally 284246)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive: false
Correct Answer: 18x^4+12x^3+30x^2-4x-12, 18x^4+12x^3+30x^2-4x^1-12
Question: Find the products of the polynomials below. Enter your answer in descending order in the box below. Enter exponents using the caret (^). For example, you would enter $4x^2$ as 4*x*^2.

$(3x^2 + 2x + 6)(6x^2 - 2)$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $18x^4 + 12x^3 + 30x^2 - 4x - 12$.

Question 13c of 14 (3 Multiplying polynomials vertically or horizontally 284247)

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive: false
Correct Answer: 5x^4+20x^3+6x^2-16x-8, 5x^4+20x^3+6x^2-16x^1-8
Question: Find the products of the polynomials below. Enter your answer in descending order in the box below. Enter exponents using the caret (^). For example, you would enter as 4*x*^2.

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

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $5x^4 + 20x^3 + 6x^2 - 16x - 8$.

Question 14a of 14 (3 Multiplying polynomials vertically or horizontally 120338)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: x^5+4x^4+9x^2+36x, 1x^5+4x^4+9x^2+36x, x^5+4x^4+9x^2+36x^1, 1x^5+4x^4+9x^2+36x^1

Question: Find the products of the polynomials below. Enter your answer in descending order in the box below. Enter exponents using the caret (^). For example, you would enter $4x^2$ as 4x^2.

$(x^3 + 9)(x^2 + 4x)$

Attempt	**Incorrect Feedback**
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $x^5 + 4x^4 + 9x^2 + 36x$.

Question 14b of 14 (3 Multiplying polynomials vertically or horizontally 284248)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: x^5+5x^4+8x^2+40x, 1x^5+5x^4+8x^2+40x, x^5+5x^4+8x^2+40x^1, 1x^5+5x^4+8x^2+40x^1

Question: Find the products of the polynomials below. Enter your answer in descending order in the box below. Enter exponents using the caret (^). For example, you would enter as 4x^2.

$(x^3 + 8)(x^2 + 5x)$

Attempt	**Incorrect Feedback**
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $x^5 + 5x^4 + 8x^2 + 40x$.

Question 14c of 14 (3 Multiplying polynomials vertically or horizontally 284249)

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer: x^5+6x^4-7x^2-42x, 1x^5+6x^4-7x^2-42x, x^5+6x^4-7x^2-42x^1, 1x^5+6x^4-7x^2-42x^1

Question: Find the products of the polynomials below. Enter your answer in descending order in the box below. Enter exponents using the caret (^). For example, you would enter $4x^2$ as 4*x*^2.

$(x^3 - 7)(x^2 + 6x)$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $x^5 + 6x^4 - 7x^2 - 42x$.