PREVIEW   CLOSE

Quiz: Polynomial Subtraction

Question 1a of 8 (3 Distributing the negative sign in polynomial subtraction 91102)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	2
Is Case Sensitive:	false
Correct Answer:	3x^7-x+3, 3x^7-1x+3, 3x^7-x^1+3, 3x^7-1x^1+3
Question:	Find the difference and enter it in the box below. Enter exponents using the caret (^). For example, write $4x^2$ as 4x^2.

$$(4x^7 - x + 6) - (x^7 + 3)$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 1b of 8 (3 Distributing the negative sign in polynomial subtraction 283377)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	2
Is Case Sensitive:	false
Correct Answer:	2x^7-2x+2, 2x^7-2x^1+2
Question:	Find the difference and enter it in the box below. Enter exponents using the caret (^). For example, write $4x^2$ as 4x^2.

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

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 1c of 8 (3 Distributing the negative sign in polynomial subtraction 283378)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	2
Is Case Sensitive:	false
Correct Answer:	5x^7-x+6, 5x^7-1x+6, 5x^7-1x^1+6, 5x^7-x^1+6
Question:	Find the difference and enter it in the box below. Enter exponents using the caret (^). For example, write $4x^2$ as 4x^2.

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

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 2a of 8 (3 Distributing the negative sign in polynomial subtraction 91103)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	2
Is Case Sensitive:	false
Correct Answer:	x^7+x^3-x, 1x^7+1x^3-1x, x^7+x^3-x^1, 1x^7+1x^3-1x^1
Question:	Find the difference and enter it in the box below. Enter exponents using the caret (^). For example, write $4x^2$ as 4x^2.

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

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 2b of 8 (3 Distributing the negative sign in polynomial subtraction 283379)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	2
Is Case Sensitive:	false
Correct Answer:	2x^7+2x^3-2x, 2x^7+2x^3-2x^1
Question:	Find the difference and enter it in the box below. Enter exponents using the caret (^). For example, write $4x^2$ as 4x^2.

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

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 2c of 8 (3 Distributing the negative sign in polynomial subtraction 283380)

Maximum Attempts:	1
Question Type:	Text Fill In Blank
Maximum Score:	2
Is Case Sensitive:	false
Correct Answer:	3x^7+5x^3-5x, 3x^7+5x^3-5x^1
Question:	Find the difference and enter it in the box below. Enter exponents using the caret (^). For example, write $4x^2$ as 4x^2.

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

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

Question 3a of 8 (3 Distributing the negative sign in polynomial subtraction 91104)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: Which polynomial represents the difference below?

$(7x^8 + 7x^7 + 8) - (4x^7 + x + 6)$

	Choice	Feedback
*A.	$7x^8 + 3x^7 - x + 2$	
B.	$3x^8 + 6x^7 + 2$	
C.	$11x^{15} + 8x^8 + x + 14$	
D.	$7x^8 + 10x^7 - x - 14$	

Global Incorrect Feedback
The correct answer is: $7x^8 + 3x^7 - x + 2$.

Question 3b of 8 (3 Distributing the negative sign in polynomial subtraction 283381)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: Which polynomial represents the difference below?

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

	Choice	Feedback
A.	$8x^8 + 11x^7 - 2x + 4$	
*B.	$8x^8 + 5x^7 - 2x + 4$	
C.	$11x^{15} + 5x^8 - 2x + 4$	
D.	$5x^8 + 6x^7 - 14$	

Global Incorrect Feedback
The correct answer is: $8x^8 + 5x^7 - 2x + 4$.

Question 3c of 8 (3 Distributing the negative sign in polynomial subtraction 283382)

Maximum Attempts: 1
Question Type: Multiple Choice
Maximum Score: 2
Question: Which polynomial represents the difference below?

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

	Choice	Feedback
A.	$9x^{15} + 3x^7 + 7$	
B.	$3x^8 + 2x^7 - 2x + 7$	
*C.	$9x^8 + 2x^7 - 2x + 7$	
D.	$11x^8 + 10x^7 + 7$	

Global Incorrect Feedback
The correct answer is: $9x^8 + 2x^7 - 2x + 7$.

Question 4a of 8 (3 Distributing the negative sign in polynomial subtraction 91105)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which polynomial represents the difference below?

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

	Choice	Feedback
A.	$2x^7 + 9x^4 - x + 6$	
B.	$4x^{11} + 6x^3 + 6$	
*C.	$2x^7 + 5x^4 + x + 6$	
D.	$6x^3 + 6$	

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

Question 4b of 8 (3 Distributing the negative sign in polynomial subtraction 283383)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which polynomial represents the difference below?

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

	Choice	Feedback
A.	$7x^4 - x + 7x$	
B.	$3x^{11} + 7x^3 + 5x$	
*C.	$3x^7 + 7x^4 + 2x + 7$	
D.	$2x^7 + 6x^3 + 6$	

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

Question 4c of 8 (3 Distributing the negative sign in polynomial subtraction 283384)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which polynomial represents the difference below?

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

	Choice	Feedback
A.	$4x^7 + 8x^4 - 3x + 3$	
B.	$4x^{11} + 8x^3 + 3$	
C.	$8x + 6$	
*D.	$5x^7 + 8x^4 + 3x + 3$	

Global Incorrect Feedback
The correct answer is: $5x^7 + 8x^4 + 3x + 3$.

Question 5a of 8 (3 Distributing the negative sign in polynomial subtraction 91106)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which polynomial represents the difference below?

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

	Choice	Feedback
*A.	$-2x^7 + 8x^3 + 2x + 6$	
B.	$-2x^7 + 8x^3 + 8x + 6$	
C.	$10x^{10} + 8x^2 + 6$	
D.	$6x^{10} + 2x + 6$	

Global Incorrect Feedback
The correct answer is: $-2x^7 + 8x^3 + 2x + 6$.

Question 5b of 8 (3 Distributing the negative sign in polynomial subtraction 283385)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which polynomial represents the difference below?

$12x^3 + 7x + 3 - (3x^7 + 4x)$

	Choice	Feedback
A.	$-3x^7 + 12x^3 + 11x + 3$	
*B.	$-3x^7 + 12x^3 + 3x + 3$	
C.	$9x^{10} + 4x^2 + 3$	
D.	$15x^{10} + 11x + 6$	

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

Question 5c of 8 (3 Distributing the negative sign in polynomial subtraction 283386)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which polynomial represents the difference below?

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

	Choice	Feedback
A.	$12x^{10} + 4x + 5$	
B.	$-4x^7 + 6x^3 + 8x + 5$	
*C.	$-8x^7 + 4x^3 + 4x + 5$	
D.	$-4x^{10} + 8x^2 + 5$	

Global Incorrect Feedback
The correct answer is: $-8x^7 + 4x^3 + 4x + 5$.

Question 6a of 8 (3 Distributing the negative sign in polynomial subtraction 91107)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which polynomial represents the difference below?

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

	Choice	Feedback
A.	$-7x^8 + 5x^7 - 5x + 2$	
*B.	$-7x^8 + 5x^7 - 11x + 2$	
C.	$12x^{15} + 11x + 2$	
D.	$2x^1 + -5x - 2$	

Global Incorrect Feedback
The correct answer is: $-7x^8 + 5x^7 - 11x + 2$.

Question 6b of 8 (3 Distributing the negative sign in polynomial subtraction 283387)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which polynomial represents the difference below?

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

	Choice	Feedback
*A.	$-9x^8 + 2x^7 - 10x + 3$	
B.	$-7x^8 + 5x^7 - 11x + 3$	
C.	$-9x^8 + 2x^7 - 2x + 3$	
D.	$-7x^{15} + -5x + 3$	

Global Incorrect Feedback
The correct answer is: $-9x^8 + 2x^7 - 10x + 3$.

Question 6c of 8 (3 Distributing the negative sign in polynomial subtraction 283388)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which polynomial represents the difference below?

$x^7 - 3x + 10 - (9x^8 + 4x)$

	Choice	Feedback
A.	$10x^{15} + 12x + 10$	
B.	$-9x^{15} + x^7 + x + 10$	
*C.	$-9x^8 + x^7 - 7x + 10$	
D.	$8x^1 + x + 10$	

Global Incorrect Feedback
The correct answer is: $-9x^8 + x^7 - 7x + 10$.

Question 7a of 8 (3 Distributing the negative sign in polynomial subtraction 91108)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which polynomial represents the difference below?

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

	Choice	Feedback
A.	$9x^8 + 5x^5 + 8x^3 - 5x + 5$	
B.	$-9x^8 + 5x^5 - 8x^3 - 5x + 5$	
C.	$-4x^5 + 8x^3 - 5x + 5$	
*D.	$-9x^8 + 5x^5 + 8x^3 - 5x + 5$	

Global Incorrect Feedback
The correct answer is: $-9x^8 + 5x^5 + 8x^3 - 5x + 5$.

Question 7b of 8 (3 Distributing the negative sign in polynomial subtraction 283389)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which polynomial represents the difference below?

$7x^5 + 9x^3 - 2x + 11 - (3x^8 + 2x + 4)$

	Choice	Feedback
*A.	$-3x^8 + 7x^5 + 9x^3 - 4x + 7$	
B.	$-3x^8 - 7x^5 + 9x^3 - 4x + 15$	
C.	$3x^8 - 7x^5 + 9x^3 - 4x + 15$	
D.	$-4x^5 + 7x^3 - 4x + 15$	

Global Incorrect Feedback
The correct answer is: $-3x^8 + 7x^5 + 9x^3 - 4x + 7$.

Question 7c of 8 (3 Distributing the negative sign in polynomial subtraction 283390)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which polynomial represents the difference below?

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

	Choice	Feedback
A.	$3x^8 + 9x^5 + 3x^3 - 5x + 5$	
B.	$-4x^8 + 7x^5 - 6x - 3$	
*C.	$-4x^8 + 7x^5 + 6x^3 - 6x - 3$	
D.	$-4x^8 + 7x^5 + 6x^3 - 6x + 7$	

Global Incorrect Feedback
The correct answer is: $-4x^8 + 7x^5 + 6x^3 - 6x - 3$.

Question 8a of 8 (3 Distributing the negative sign in polynomial subtraction 91109)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which polynomial represents the difference below?

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

	Choice	Feedback
*A.	$2x^8 - 4x^7 + 9x^6 - x + 2$	
B.	$2x^8 + 4x^7 + 9x^6 - x + 2$	
C.	$14x^8 - 4x^7 - 9x^6 - x + 2$	
D.	$2x^0 + 5x^1 - x + 2$	

Global Incorrect Feedback
The correct answer is: $2x^8 - 4x^7 + 9x^6 - x + 2$.

Question 8b of 8 (3 Distributing the negative sign in polynomial subtraction 283391)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which polynomial represents the difference below?

$10x^8 + 11x^6 - 2x + 5 - (8x^8 + 6x^7 - 5)$

	Choice	Feedback
A.	$2x^0 + 5x^1 - 2x$	
*B.	$2x^8 - 6x^7 + 11x^6 - 2x + 10$	
C.	$18x^8 - 17x^7 + x^6 - 2x + 10$	
D.	$2x^8 - 6x^7 + 9x^6 - x + 10$	

Global Incorrect Feedback
The correct answer is: $2x^8 - 6x^7 + 11x^6 - 2x + 10.$

Question 8c of 8 (3 Distributing the negative sign in polynomial subtraction 283392)

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which polynomial represents the difference below?

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

	Choice	Feedback
A.	$11x^8 - 11x^7 + x^6 - 2x + 6$	
*B.	$3x^8 - 3x^7 + 8x^6 - 2x + 6$	
C.	$3x^0 + 5x^1 - x + 2$	
D.	$3x^8 - 3x^7 + 8x^6 + 2x + 6$	

Global Incorrect Feedback
The correct answer is: $3x^8 - 3x^7 + 8x^6 - 2x + 6.$