

Quiz: Polynomial Addition with Tiles

**Question 1a of 15** ( 2 Using tiles to add or subtract like terms in polynomials 90785 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which polynomial does this sum of tiles represent?



	Choice	Feedback
A.	$7x^2 + 2x + 5$	
B.	$7x^2 + x + 5$	
*C.	$5x^2 + 2x + 5$	
D.	$5x^2 + x + 7$	

**Global Incorrect Feedback**

The correct answer is:  $5x^2 + 2x + 5$ .

**Question 1b of 15** ( 2 Using tiles to add or subtract like terms in polynomials 283290 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which polynomial does this sum of tiles represent?



	Choice	Feedback
*A.	$7x^2 + 5x + 3$	
B.	$5x^2 + x + 3$	
C.	$7x^2 + 2x + 7$	
D.	$7x^2 + x + 5$	

**Global Incorrect Feedback**

The correct answer is:  $7x^2 + 5x + 3$ .

**Question 1c of 15** ( 2 Using tiles to add or subtract like terms in polynomials 283291 )

**Maximum Attempts:** 1  
**Question Type:** Multiple Choice  
**Maximum Score:** 2  
**Question:** Which polynomial does this sum of tiles represent?



	Choice	Feedback
A.	$8x^2 + 4x + 1$	
B.	$x^2 + 3x + 6$	
C.	$5x^2 + 2x + 6$	
*D.	$6x^2 + 3x + 1$	

<b>Global Incorrect Feedback</b>
The correct answer is: $6x^2 + 3x + 1$ .

**Question 2a of 15** ( 2 Using tiles to add or subtract like terms in polynomials 90786 )

**Maximum Attempts:** 1  
**Question Type:** Multiple Choice  
**Maximum Score:** 2  
**Question:** Which polynomial does this sum of tiles represent?



	Choice	Feedback
A.	$3x^2 + 4$	
*B.	$2x^2 + 3x + 1$	
C.	$2x^2 + 5x + 1$	
D.	$5x^2 + 3x + 1$	

<b>Global Incorrect Feedback</b>
The correct answer is: $2x^2 + 3x + 1$ .

### Question 2b of 15 ( 2 Using tiles to add or subtract like terms in polynomials 283292 )

Maximum Attempts: 1  
 Question Type: Multiple Choice  
 Maximum Score: 2  
 Question: Which polynomial does this sum of tiles represent?



	Choice	Feedback
A.	$2x^2 + 1$	
B.	$x^2 + 3x + 4$	
*C.	$3x^2 + 4x + 3$	
D.	$5x^2 + 3x + 1$	

<b>Global Incorrect Feedback</b>
The correct answer is: $3x^2 + 4x + 3$ .

### Question 2c of 15 ( 2 Using tiles to add or subtract like terms in polynomials 283293 )

Maximum Attempts: 1  
 Question Type: Multiple Choice  
 Maximum Score: 2  
 Question: Which polynomial does this sum of tiles represent?



	Choice	Feedback
A.	$x^2 + 5x - 2$	
B.	$6x^2 + 3x + 4$	
C.	$2x^2 + 5x + 1$	
*D.	$4x^2 + 2x + 4$	

<b>Global Incorrect Feedback</b>
The correct answer is: $4x^2 + 2x + 4$ .

### Question 3a of 15 ( 3 Using tiles to add or subtract like terms in polynomials 90787 )

Maximum Attempts: 1  
 Question Type: Multiple Choice  
 Maximum Score: 2  
 Question: Which polynomial does this sum of tiles represent?

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

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

**Question 3b of 15** ( 3 Using tiles to add or subtract like terms in polynomials 283294 )

**Maximum Attempts:** 1  
**Question Type:** Multiple Choice  
**Maximum Score:** 2  
**Question:** Which polynomial does this sum of tiles represent?



	Choice	Feedback
A.	$x^2 + 4x + 5$	
B.	$4x^2 + 4x + 8$	
*C.	$2x^2 + 4x + 6$	
D.	$4x^2 + 9$	

<b>Global Incorrect Feedback</b>
The correct answer is: $2x^2 + 4x + 6$ .

**Question 3c of 15** ( 3 Using tiles to add or subtract like terms in polynomials 283295 )

**Maximum Attempts:** 1  
**Question Type:** Multiple Choice  
**Maximum Score:** 2  
**Question:** Which polynomial does this sum of tiles represent?

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

<b>Global Incorrect Feedback</b>
The correct answer is: $3x^2 + 4x + 5$ .

### Question 4a of 15 ( 3 Using tiles to add or subtract like terms in polynomials 90788 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which polynomial does this sum of tiles represent?



	Choice	Feedback
*A.	$x^2 + 3x + 3$	
B.	$4x^2 + 3$	
C.	$2x^2 + 4x + 7$	
D.	$x^2 + 2x + 7$	

<b>Global Incorrect Feedback</b>
The correct answer is: $x^2 + 3x + 3$ .

### Question 4b of 15 ( 3 Using tiles to add or subtract like terms in polynomials 283296 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Which polynomial does this sum of tiles represent?



	Choice	Feedback
A.	$3x^2 + 2x + 3$	
*B.	$4x^2 + 2x + 5$	
C.	$3x^2 + 3x + 6$	
D.	$3x^2 + 3x + 4$	

<b>Global Incorrect Feedback</b>
The correct answer is: $4x^2 + 2x + 5$ .

### Question 4c of 15 ( 3 Using tiles to add or subtract like terms in polynomials 283297 )

Maximum Attempts: 1  
 Question Type: Multiple Choice  
 Maximum Score: 2  
 Question: Which polynomial does this sum of tiles represent?



	Choice	Feedback
A.	$x^2 + 2x + 4$	
B.	$3x^2 + x + 4$	
C.	$3x^2 + 2x + 3$	
*D.	$6x^2 + x + 1$	

#### Global Incorrect Feedback

The correct answer is:  $6x^2 + x + 1$ .

### Question 5a of 15 ( 3 Arranging polynomials to combine like terms 90789 )

Maximum Attempts: 1  
 Question Type: Multiple Choice  
 Maximum Score: 2  
 Question: Find the sum of the polynomials below:

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

	Choice	Feedback
A.	$40x^{18} + 5x^2 + 1$	
B.	$40x^9 + 4x^2 + 1$	
*C.	$13x^9 + 5x + 1$	
D.	$13x^9 - 5x + 1$	

#### Global Incorrect Feedback

The correct answer is:  $13x^9 + 5x + 1$ .

### Question 5b of 15 ( 3 Arranging polynomials to combine like terms 283298 )

Maximum Attempts: 1  
 Question Type: Multiple Choice  
 Maximum Score: 2  
 Question: Find the sum of the polynomials below:

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

	Choice	Feedback
A.	$35x^{16} + 5x^2 + 2$	
B.	$35x^8 + 5x^2 + 2$	
C.	$11x^8 - 5x + 2$	
*D.	$11x^8 + 5x + 2$	

**Global Incorrect Feedback**

The correct answer is:  $11x^8 + 5x + 2$ .

**Question 5c of 15** ( 3 Arranging polynomials to combine like terms 283299 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Find the sum of the polynomials below:

$$(5x^5 + 2x - 1) + (6x^5 + x + 8)$$

	Choice	Feedback
A.	$25x^{25} + 3x^2 + 7$	
*B.	$11x^5 + 3x + 7$	
C.	$25x^5 + 3x + 7$	
D.	$11x^9 - 5x + 1$	

**Global Incorrect Feedback**

The correct answer is:  $11x^5 + 3x + 7$ .

**Question 6a of 15** ( 3 Arranging polynomials to combine like terms 90790 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Find the sum of the polynomials below:

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

	Choice	Feedback
A.	$72x^9 + 24x^6 - 18x^2 + 13$	
B.	$17x^9 + 10x^6 - 7x + 13$	
C.	$10x^9 + 17x^6 + 7x + 13$	
*D.	$17x^9 + 10x^6 + 7x + 13$	

**Global Incorrect Feedback**

The correct answer is:  $17x^9 + 10x^6 + 7x + 13$ .

### Question 6b of 15 ( 3 Arranging polynomials to combine like terms 283300 )

**Maximum Attempts:** 1  
**Question Type:** Multiple Choice  
**Maximum Score:** 2  
**Question:** Find the sum of the polynomials below:

$$(4x^7 + 5x^5 + 1x + 6) + (10x^7 + 6x^5 - 4x + 4)$$

	Choice	Feedback
*A.	$14x^7 + 11x^5 - 3x + 10$	
B.	$40x^7 + 30x^5 - 3x + 10$	
C.	$40x^7 + 11x^5 - 3x + 10$	
D.	$14x^7 + 11x^5 + 3x + 10$	

Global Incorrect Feedback
The correct answer is: $14x^7 + 11x^5 - 3x + 10$ .

### Question 6c of 15 ( 3 Arranging polynomials to combine like terms 283301 )

**Maximum Attempts:** 1  
**Question Type:** Multiple Choice  
**Maximum Score:** 2  
**Question:** Find the sum of the polynomials below:

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

	Choice	Feedback
A.	$21x^7 + 10x^5 - 4x^2 + 9$	
B.	$10x^7 + 7x^5 - 4x^2 + 9$	
*C.	$10x^7 + 7x^5 - 2x + 9$	
D.	$10x^7 + 10x^6 - 2x + 9$	

Global Incorrect Feedback
The correct answer is: $10x^7 + 7x^5 - 2x + 9$ .

### Question 7a of 15 ( 3 Arranging polynomials to combine like terms 120220 )

**Maximum Attempts:** 1  
**Question Type:** Text Fill In Blank  
**Maximum Score:** 2  
**Is Case Sensitive:** false  
**Correct Answer:**  $3x^2+3x+2$ ,  $3x^2+3x^1+2$   
**Question:** Find the sum of  $(x^2 + x + 1)$  and  $(2x^2 + 2x + 1)$ . Enter your answer as a polynomial in descending order below, and use the caret (^) for exponents. For example, you would write  $3x^2 + 3x + 2$  as  $4x^2$ .

Attempt	Incorrect Feedback
1st	
	Correct Feedback



	<b>Global Incorrect Feedback</b>
	The correct answer is: $3x^2 + 3x + 2$ .

### Question 7b of 15 ( 3 Arranging polynomials to combine like terms 283302 )

**Maximum Attempts:** 1  
**Question Type:** Text Fill In Blank  
**Maximum Score:** 2  
**Is Case Sensitive:** false  
**Correct Answer:**  $4x^2+4x+3$ ,  $4x^2+4x^1+3$ ,  $4x^2 + 4x + 3$   
**Question:** Find the sum of  $(2x^2 + x + 1)$  and  $(2x^2 + 3x + 2)$ . Enter your answer as a polynomial in descending order below, and use the caret (^) for exponents. For example, you would write  $4x^2$  as  $4x^2$ .

<b>Attempt</b>	<b>Incorrect Feedback</b>
1st	

	<b>Correct Feedback</b>

	<b>Global Incorrect Feedback</b>
	The correct answer is: $4x^2 + 4x + 3$ .

### Question 7c of 15 ( 3 Arranging polynomials to combine like terms 283303 )

**Maximum Attempts:** 1  
**Question Type:** Text Fill In Blank  
**Maximum Score:** 2  
**Is Case Sensitive:** false  
**Correct Answer:**  $4x^2+4x+3$ ,  $4x^2+4x^1+3$ ,  $4x^2 + 4x + 3$   
**Question:** Find the sum of  $(x^2 + x + 1)$  and  $(3x^2 + 3x + 2)$ . Enter your answer as a polynomial in descending order below, and use the caret (^) for exponents. For example, you would write  $4x^2$  as  $4x^2$ .

<b>Attempt</b>	<b>Incorrect Feedback</b>
1st	

	<b>Correct Feedback</b>

	<b>Global Incorrect Feedback</b>
	The correct answer is: $4x^2 + 4x + 3$ .

### Question 8a of 15 ( 3 Arranging polynomials to combine like terms 120221 )

**Maximum Attempts:** 1  
**Question Type:** Text Fill In Blank  
**Maximum Score:** 2  
**Is Case Sensitive:** false  
**Correct Answer:**  $x^5+2x^4+4x^2+2x-3$ ,  $x^5+2x^4+4x^2+2x^1-3$ ,  $1x^5+2x^4+4x^2+2x-3$ ,  $1x^5+2x^4+4x^2+2x^1-3$   
**Question:** Find the sum:  $(x^5 - 3x^4 + x^2 - 4) + (5x^4 + 3x^2 + 2x + 1)$ . Enter your answer as a polynomial in descending order below, and use the caret (^) for exponents. For example, you would write  $4x^2$  as  $4x^2$ .

Attempt	Incorrect Feedback
1st	
	<b>Correct Feedback</b>
	<b>Global Incorrect Feedback</b>
	The correct answer is: $x^5 + 2x^4 + 4x^2 + 2x - 3$ .

### Question 8b of 15 ( 3 Arranging polynomials to combine like terms 283304 )

**Maximum Attempts:** 1

**Question Type:** Text Fill In Blank

**Maximum Score:** 2

**Is Case Sensitive:** false

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

**Question:** Find the sum:  $(x^5 - 2x^4 + 2x^2 - 3) + (3x^4 + 2x^2 + x + 1)$ . Enter your answer as a polynomial in descending order below, and use the caret (^) for exponents. For example, you would write  $4x^2$  as  $4x^2$ .

Attempt	Incorrect Feedback
1st	
	<b>Correct Feedback</b>
	<b>Global Incorrect Feedback</b>
	The correct answer is: $x^5 + x^4 + 4x^2 + x - 2$ .

### Question 8c of 15 ( 3 Arranging polynomials to combine like terms 283305 )

**Maximum Attempts:** 1

**Question Type:** Text Fill In Blank

**Maximum Score:** 2

**Is Case Sensitive:** false

**Correct Answer:**  $x^5+x^4+7x^2+x-2$ ,  $x^5+x^4+7x^2+x^1-2$ ,  $1x^5+x^4+7x^2+x^1-2$ ,  $1x^5+x^4+7x^2+1x^1-2$

**Question:** Find the sum:  $(x^5 - 2x^4 + 3x^2 - 6) + (3x^4 + 4x^2 + x + 4)$ . Enter your answer as a polynomial in descending order below, and use the caret (^) for exponents. For example, you would write  $4x^2$  as  $4x^2$ .

Attempt	Incorrect Feedback
1st	
	<b>Correct Feedback</b>
	<b>Global Incorrect Feedback</b>
	The correct answer is: $x^5 + x^4 + 7x^2 + x - 2$ .

### Question 9a of 15 ( 3 Arranging polynomials to combine like terms 120222 )

**Maximum Attempts:** 1

**Question Type:** Multiple Choice

**Maximum Score:** 2

**Question:** Find the sum:  $(x^3 + 3x^2 + x + 1) + (2x^3 - 2x^2 - 2x + 2)$ .

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

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

### Question 9b of 15 ( 3 Arranging polynomials to combine like terms 283306 )

Maximum Attempts: 1  
 Question Type: Multiple Choice  
 Maximum Score: 2

Question: Find the sum:  $(3x^3 + 2x^2 + x + 4) + (2x^3 - x^2 - 3x + 1)$ .

	Choice	Feedback
A.	$5x^3 + 4x^2 - x + 5$	
*B.	$5x^3 + x^2 - 2x + 5$	
C.	$x^3 + x^2 - 2x + 3$	
D.	$-x^3 + x^2 + 3x + 5$	

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

### Question 9c of 15 ( 3 Arranging polynomials to combine like terms 283307 )

Maximum Attempts: 1  
 Question Type: Multiple Choice  
 Maximum Score: 2

Question: Find the sum:  $(3x^3 + 2x^2 + 2x + 1) + (1x^3 - x^2 - x + 2)$ .

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

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

### Question 10a of 15 ( 3 Arranging polynomials to combine like terms 120223 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Find the sum:  $(-12x^2 + 4x + 4) + (6x^3 - 6x^2 - x)$ .

	Choice	Feedback
*A.	$6x^3 - 18x^2 + 3x + 4$	
B.	$-6x^3 - 2x^2 + 3x$	
C.	$-6x^3 - 2x^2 + 3$	
D.	$6x^3 + 18x^2 + 4x + 3x$	

Global Incorrect Feedback
The correct answer is: $-6x^3 - 18x^2 + 3x + 4$ .

### Question 10b of 15 ( 3 Arranging polynomials to combine like terms 283308 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Find the sum:  $(-10x^3 + 4x + 5) + (5x^2 - 2x)$ .

	Choice	Feedback
A.	$10x^3 - 5x^2 + 2x$	
B.	$-10x^3 + 5x + 5$	
*C.	$-10x^3 + 5x^2 + 2x + 5$	
D.	$-5x^3 + 5x^2 + 5$	

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

### Question 10c of 15 ( 3 Arranging polynomials to combine like terms 283309 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Find the sum:  $(6x^2 + 8x + 8) + (12x^3 - 12x^2 - 2x)$ .

	Choice	Feedback
A.	$18x^3 - 6x^2 + 6x + 8$	
B.	$6x^3 - 18x^2 + 6x$	
C.	$6x^3 - 6x^2 + 8$	
*D.	$12x^3 - 6x^2 + 6x + 8$	

Global Incorrect Feedback
The correct answer is: $12x^3 - 6x^2 + 6x + 8$ .

### Question 11a of 15 ( 3 Distributing the negative sign in polynomial subtraction 120225 )

**Maximum Attempts:** 1

**Question Type:** Text Fill In Blank

**Maximum Score:** 2

**Is Case Sensitive:** false

**Correct Answer:**  $x^2+2, 1x^2+2$

**Question:** Subtract the polynomials:  $(2x^2 + 2x + 3) - (x^2 + 2x + 1)$ . Enter your answer as a polynomial in descending order below, and use the caret (^) for exponents. For example, you would write  $4x^2$  as  $4x^2$ .

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

### Question 11b of 15 ( 3 Distributing the negative sign in polynomial subtraction 283310 )

**Maximum Attempts:** 1

**Question Type:** Text Fill In Blank

**Maximum Score:** 2

**Is Case Sensitive:** false

**Correct Answer:**  $2x^2+x, 2x^2+1x, 2x^2+1x^1$

**Question:** Subtract the polynomials:  $(3x^2 + 3x + 3) - (x^2 + 2x + 3)$ . Enter your answer as a polynomial in descending order below, and use the caret (^) for exponents. For example, you would write  $4x^2$  as  $4x^2$ .

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

### Question 11c of 15 ( 3 Distributing the negative sign in polynomial subtraction 283311 )

**Maximum Attempts:** 1

**Question Type:** Text Fill In Blank

**Maximum Score:** 2

**Is Case Sensitive:** false

**Correct Answer:**  $2x^2+3, 2x^2 + 3$

**Question:** Subtract the polynomials:  $(3x^2 + 2x + 4) - (x^2 + 2x + 1)$ . Enter your answer as a polynomial in descending order below, and use the caret (^) for exponents. For example, you would write  $4x^2$  as  $4x^2$ .

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	<b>Global Incorrect Feedback</b>
	The correct answer is: $2x^2 + 3$ .

### Question 12a of 15 ( 3 Distributing the negative sign in polynomial subtraction 120226 )

**Maximum Attempts:** 1  
**Question Type:** Text Fill In Blank  
**Maximum Score:** 2  
**Is Case Sensitive:** false  
**Correct Answer:**  $2x^3+2x^2-9x+5$ ,  $2x^3+2x^2-9x^1+5$   
**Question:** Subtract the polynomials:  $(5x^3 - 3x + 4) - (3x^3 - 2x^2 + 6x - 1)$ . Enter your answer as a polynomial in descending order below, and use the caret (^) for exponents. For example, you would write  $4x^2$ .

<b>Attempt</b>	<b>Incorrect Feedback</b>
1st	

	<b>Correct Feedback</b>

	<b>Global Incorrect Feedback</b>
	The correct answer is: $2x^3 + 2x^2 - 9x + 5$ .

### Question 12b of 15 ( 3 Distributing the negative sign in polynomial subtraction 283312 )

**Maximum Attempts:** 1  
**Question Type:** Text Fill In Blank  
**Maximum Score:** 2  
**Is Case Sensitive:** false  
**Correct Answer:**  $4x^3+x^2-11x+15$ ,  $4x^3+x^2-11x^1+15$   
**Question:** Subtract the polynomials:  $(6x^3 - 4x + 5) - (2x^3 - x^2 + 7x - 10)$ . Enter your answer as a polynomial in descending order below, and use the caret (^) for exponents. For example, you would write  $4x^2$ .

<b>Attempt</b>	<b>Incorrect Feedback</b>
1st	

	<b>Correct Feedback</b>

	<b>Global Incorrect Feedback</b>
	The correct answer is: $4x^3 + x^2 - 11x + 15$ .

### Question 12c of 15 ( 3 Distributing the negative sign in polynomial subtraction 283313 )

**Maximum Attempts:** 1  
**Question Type:** Text Fill In Blank  
**Maximum Score:** 2  
**Is Case Sensitive:** false  
**Correct Answer:**  $3x^3+5x^2-10x+7$ ,  $3x^3+5x^2-10x^1+7$   
**Question:** Subtract the polynomials:  $(6x^3 - 4x + 5) - (3x^3 - 5x^2 + 6x - 2)$ . Enter your answer as a polynomial in descending order below, and use the caret (^) for exponents. For example, you would write  $4x^2$ .

<b>Attempt</b>	<b>Incorrect Feedback</b>
1st	

	<b>Correct Feedback</b>

	<b>Global Incorrect Feedback</b>
	The correct answer is: $3x^3 + 5x^2 - 10x + 7$ .

### Question 13a of 15 ( 3 Arranging polynomials to combine like terms 120228 )

**Maximum Attempts:** 1

**Question Type:** Multiple Choice

**Maximum Score:** 2

**Question:**

Find the sum:  $(2x^2 + x + 3) + (3x^2 + 2x + 1)$ .

	Choice	Feedback
A.	$3x^2 + 5x + 4$	
B.	$6x^3 + 6x$	
C.	$6x^4 + 2x + 3$	
*D.	$5x^2 + 3x + 4$	

<b>Global Incorrect Feedback</b>
The correct answer is: $5x^2 + 3x + 4$ .

### Question 13b of 15 ( 3 Arranging polynomials to combine like terms 283314 )

**Maximum Attempts:** 1

**Question Type:** Multiple Choice

**Maximum Score:** 2

**Question:**

Find the sum:  $(3x^2 + 2x + 3) + (x^2 + x + 1)$ .

	Choice	Feedback
A.	$3x^2 + 4x + 4$	
B.	$4x^3 + 3x + 4$	
*C.	$4x^2 + 3x + 4$	
D.	$3x^4 + 3x + 4$	

<b>Global Incorrect Feedback</b>
The correct answer is: $4x^2 + 3x + 4$ .

### Question 13c of 15 ( 3 Arranging polynomials to combine like terms 283315 )

**Maximum Attempts:** 1

**Question Type:** Multiple Choice

**Maximum Score:** 2

**Question:**

Find the sum:  $(x^2 + 2x + 3) + (3x^2 + x + 1)$ .

	Choice	Feedback
A.	$3x^4 + 4x + 3$	
B.	$4x^3 + 3x + 4$	
C.	$4x^2 + 3x$	
*D.	$4x^2 + 3x + 4$	

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

### Question 14a of 15 ( 3 Distributing the negative sign in polynomial subtraction 120230 )

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

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

Question: Subtract the polynomials:  $(3x^3 - 2x + 3) - (2x^3 - 2)$ . Enter your answer as a polynomial in descending order below, and use the caret (^) for exponents. For example, you would write  $4x^2$  as  $4x^2$ .

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

### Question 14b of 15 ( 3 Distributing the negative sign in polynomial subtraction 283316 )

Maximum Attempts: 1

Question Type: Text Fill In Blank

Maximum Score: 2

Is Case Sensitive: false

Correct Answer:  $2x^3 - 3x + 6$ ,  $2x^3 - 3x^1 + 6$

Question: Subtract the polynomials:  $(3x^3 - 3x + 4) - (x^3 - 2)$ . Enter your answer as a polynomial in descending order below, and use the caret (^) for exponents. For example, you would write  $4x^2$  as  $4x^2$ .

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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



### Question 14c of 15 ( 3 Distributing the negative sign in polynomial subtraction 283317 )

**Maximum Attempts:** 1  
**Question Type:** Text Fill In Blank  
**Maximum Score:** 2  
**Is Case Sensitive:** false  
**Correct Answer:**  $4x^3 - 4x + 3$ ,  $4x^3 - 4x^1 + 3$

**Question:** Subtract the polynomials:  $(6x^3 - 4x + 2) - (2x^3 - 1)$ . Enter your answer as a polynomial in descending order below, and use the caret (^) for exponents. For example, you would write  $4x^2$  as  $4x^2$ .

Attempt	Incorrect Feedback
1st	

	Correct Feedback

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

### Question 15a of 15 ( 3 Arranging polynomials to combine like terms 120231 )

**Maximum Attempts:** 1  
**Question Type:** Multiple Choice  
**Maximum Score:** 2

**Question:** Find the sum:  $(x^7 + 2x^5 - 5x^3 + 17x) + (x^6 - 2x^4 - x^2 + 17)$ .

	Choice	Feedback
*A.	$x^7 + x^6 + 2x^5 - 2x^4 - 5x^3 - x^2 + 17x + 17$	
B.	$2x^7 + 4x^6 + 2x^5 - x^4 - 6x^3 - x^2 + 17x + 17$	
C.	$x^6 - 5x^4 - 2x^3 - x^2 + 15x$	
D.	$x^6 - 5x^4 - 2x^3 - x^2 + 12x$	

Global Incorrect Feedback
The correct answer is: $x^7 + x^6 + 2x^5 - 2x^4 - 5x^3 - x^2 + 17x + 17$ .

### Question 15b of 15 ( 3 Arranging polynomials to combine like terms 283318 )

**Maximum Attempts:** 1  
**Question Type:** Multiple Choice  
**Maximum Score:** 2

**Question:** Find the sum:  $(x^8 + 3x^6 - 4x^4 + 10x) + (2x^7 - 4x^5 - x^3 + 10)$ .

	Choice	Feedback
A.	$2x^7 + 4x^6 + 2x^5 - 2x^4 - 5x^3 - x^2 + 17x + 17$	
B.	$x^8 + 2x^7 + 3x^6 - 4x^5 - 4x^4 + x^2 + 9x + 10$	
*C.	$x^8 + 2x^7 + 3x^6 - 4x^5 - 4x^4 - x^3 + 10x + 10$	
D.	$3x^7 - 7x^5 - x^2 + 20$	

Global Incorrect Feedback
The correct answer is: $x^8 + 2x^7 + 3x^6 - 4x^5 - 4x^4 - x^3 + 10x + 10$ .

### Question 15c of 15 ( 3 Arranging polynomials to combine like terms 283319 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Find the sum:  $(2x^7 + x^5 - 3x^3 + 12x) + (3x^6 - 5x^4 - 3x^2 + 20)$ .

	Choice	Feedback
A.	$4x^7 + x^6 - 2x^5 + 2x^4 - 5x^3 - x^2 + 17x + 20$	
*B.	$2x^7 + 3x^6 + x^5 - 5x^4 - 3x^3 - 3x^2 + 12x + 20$	
C.	$2x^7 + 3x^6 + x^5 - 5x^4 - 3x^3 - 3x^2 + 17x + 20$	
D.	$2x^6 - 3x^4 - 2x^3 - x^2 + 20x$	

#### Global Incorrect Feedback

The correct answer is:  
 $2x^7 + 3x^6 + x^5 - 5x^4 - 3x^3 - 3x^2 + 12x + 20$ .

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