

PREVIEW

CLOSE

Quiz: The FOIL Method

**Question 1a of 8** ( 3 Using the FOIL method to multiply two binomials 91110 )

**Maximum Attempts:** 1

**Question Type:** Multiple Choice

**Maximum Score:** 2

**Question:** Use the FOIL method to find the product below:

$$(x + 6)(x + 6)$$

	Choice	Feedback
*A.	$x^2 + 12x + 36$	
B.	$x^2 + 12x^2 + 36$	
C.	$x^2 + 6x + 36$	
D.	$2x + 12x + 12$	

**Global Incorrect Feedback**

The correct answer is:  $x^2 + 12x + 36$ .

**Question 1b of 8** ( 3 Using the FOIL method to multiply two binomials 284165 )

**Maximum Attempts:** 1

**Question Type:** Multiple Choice

**Maximum Score:** 2

**Question:** Use the FOIL method to find the product below:

$$(x + 5)(x + 5)$$

	Choice	Feedback
A.	$x^2 + 5x + 25$	
B.	$x^2 + 10x^2 + 25$	
C.	$2x^2 + 10x + 25$	
*D.	$x^2 + 10x + 25$	

**Global Incorrect Feedback**

The correct answer is:  $x^2 + 10x + 25$ .

**Question 1c of 8** ( 3 Using the FOIL method to multiply two binomials 284166 )

**Maximum Attempts:** 1

**Question Type:** Multiple Choice

**Maximum Score:** 2

**Question:** Use the FOIL method to find the product below:

$$(x + 4)(x + 4)$$

	Choice	Feedback
A.	$2x + 8x + 16$	
B.	$x^2 + 8x^2 + 16$	
C.	$x^2 + 4x + 16$	
*D.	$x^2 + 8x + 16$	

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

### Question 2a of 8 ( 3 Using the FOIL method to multiply two binomials 91111 )

**Maximum Attempts:** 1  
**Question Type:** Multiple Choice  
**Maximum Score:** 2  
**Question:** Use the FOIL method to find the product below:

$$(x + 3)(x + 3)$$

	Choice	Feedback
*A.	$x^2 + 6x + 9$	
B.	$2x + 6x + 6$	
C.	$x^2 + 6x^2 + 9$	
D.	$x^2 + 3x + 9$	

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

### Question 2b of 8 ( 3 Using the FOIL method to multiply two binomials 284167 )

**Maximum Attempts:** 1  
**Question Type:** Multiple Choice  
**Maximum Score:** 2  
**Question:** Use the FOIL method to find the product below:

$$(x + 2)(x + 2)$$

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

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

### Question 2c of 8 ( 3 Using the FOIL method to multiply two binomials 284168 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Use the FOIL method to find the product below:

$$(x + 7)(x + 7)$$

	Choice	Feedback
A.	$x^2 + 14x + 14$	
B.	$2x + 7x + 14$	
*C.	$x^2 + 14x + 49$	
D.	$x^2 + 14x^2 + 49$	

#### Global Incorrect Feedback

The correct answer is:  $x^2 + 14x^2 + 49$ .

### Question 3a of 8 ( 3 Using the FOIL method to multiply two binomials 91112 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Use the FOIL method to find the product below:

$$(9x^5 + 8)(9x^3 + 8)$$

	Choice	Feedback
A.	$81x^8 + 144x^5 + 64$	
B.	$81x^8 + 72x^5 + 72x^3 + 64x$	
*C.	$81x^8 + 72x^5 + 72x^3 + 64$	
D.	$72x^8 + 72x^3 + 64$	

#### Global Incorrect Feedback

The correct answer is:  $81x^8 + 72x^5 + 72x^3 + 64$ .

### Question 3b of 8 ( 3 Using the FOIL method to multiply two binomials 284169 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Use the FOIL method to find the product below:

$$(8x^5 + 9)(8x^3 + 9)$$

	Choice	Feedback
*A.	$64x^8 + 72x^5 + 72x^3 + 81$	
B.	$64x^8 + 72x^5 + 72x^3 + 81x$	
C.	$64x^8 + 72x^5 - 72x^3 + 81$	
D.	$64x^8 + 132x^3 + 81$	

**Global Incorrect Feedback**The correct answer is:  $64x^8 + 72x^5 + 72x^3 + 81$ .**Question 3c of 8** ( 3 Using the FOIL method to multiply two binomials 284170 )**Maximum Attempts:** 1**Question Type:** Multiple Choice**Maximum Score:** 2**Question:** Use the FOIL method to find the product below:

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

	Choice	Feedback
A.	$49x^8 + 35x^5 + 35x^3 + 25x$	
*B.	$49x^8 + 35x^5 + 35x^3 + 25$	
C.	$49x^8 + 70x^5 + 25$	
D.	$49x^8 + 35x^3 + 25$	

**Global Incorrect Feedback**The correct answer is:  $49x^8 + 35x^5 + 35x^3 + 25$ .**Question 4a of 8** ( 3 Using the FOIL method to multiply two binomials 91113 )**Maximum Attempts:** 1**Question Type:** Multiple Choice**Maximum Score:** 2**Question:** Use the FOIL method to find the product below:

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

	Choice	Feedback
A.	$24x^{11} + 48x^9 + 42$	
B.	$24x^{11} + 48x^9 + 21x^2 + 42x$	
*C.	$-24x^{11} + 48x^9 - 21x^2 + 42$	
D.	$-24x^{11} + 27x^7 + 42$	

**Global Incorrect Feedback**The correct answer is:  
 $-24x^{11} + 48x^9 - 21x^2 + 42$ .**Question 4b of 8** ( 3 Using the FOIL method to multiply two binomials 284171 )**Maximum Attempts:** 1**Question Type:** Multiple Choice**Maximum Score:** 2**Question:** Use the FOIL method to find the product below:

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

	Choice	Feedback
A.	$36x^{10} + 45x^9 + 24x^2 + 30x$	
B.	$36x^{10} + 45x^9 + 30$	
C.	$-36x^{10} + 24x^7 + 30$	
*D.	$-36x^{10} + 45x^8 - 24x^2 + 30$	

Global Incorrect Feedback
The correct answer is: $-36x^{10} + 45x^8 - 24x^2 + 30$ .

### Question 4c of 8 ( 3 Using the FOIL method to multiply two binomials 284172 )

Maximum Attempts: 1  
 Question Type: Multiple Choice  
 Maximum Score: 2  
 Question: Use the FOIL method to find the product below:

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

	Choice	Feedback
*A.	$-28x^{11} + 35x^9 - 32x^2 + 40$	
B.	$28x^{11} + 35x^9 + 32x^2 + 40x$	
C.	$28x^{11} + 35x^9 + 40$	
D.	$-28x^{11} + 35x^7 + 40$	

Global Incorrect Feedback
The correct answer is: $-28x^{11} + 35x^9 - 32x^2 + 40$ .

### Question 5a of 8 ( 3 Using the FOIL method to multiply two binomials 91114 )

Maximum Attempts: 1  
 Question Type: Multiple Choice  
 Maximum Score: 2  
 Question: Use the FOIL method to find the product below:

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

	Choice	Feedback
*A.	$x^{13} - x^9 - 9x^8 + 9x^4$	
B.	$-x^{13} + x^9 + 9x^8 - 9x^4$	
C.	$-x^9 - 10x^8 + 9x^4$	
D.	$x^{13} - 8x^1 - 9x^4$	

Global Incorrect Feedback
The correct answer is: $x^{13} - x^9 - 9x^8 + 9x^4$ .

### Question 5b of 8 ( 3 Using the FOIL method to multiply two binomials 284173 )

Maximum Attempts: 1  
 Question Type: Multiple Choice  
 Maximum Score: 2  
 Question: Use the FOIL method to find the product below:

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

	Choice	Feedback
A.	$x^{14} - 9x^1 - 8x^5$	
B.	$-x^{10} - 9x^9 + 8x^5$	
C.	$-x^{14} + x^{10} + 9x^9 - 9x^5$	
*D.	$x^{14} - x^{10} - 8x^9 + 8x^5$	

#### Global Incorrect Feedback

The correct answer is:  $x^{14} - x^{10} - 8x^9 + 8x^5$ .

### Question 5c of 8 ( 3 Using the FOIL method to multiply two binomials 284174 )

Maximum Attempts: 1  
 Question Type: Multiple Choice  
 Maximum Score: 2  
 Question: Use the FOIL method to find the product below:

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

	Choice	Feedback
A.	$-x^{13} + x^{10} + 4x^7 - 4x^4$	
*B.	$x^{13} - x^{10} - 4x^7 + 4x^4$	
C.	$-x^{10} - 5x^7 + 4x^4$	
D.	$x^{13} - 4x^1 - 5x^4$	

#### Global Incorrect Feedback

The correct answer is:  $x^{13} - x^{10} - 4x^7 + 4x^4$ .

### Question 6a of 8 ( 3 Using the FOIL method to multiply two binomials 91115 )

Maximum Attempts: 1  
 Question Type: Multiple Choice  
 Maximum Score: 2  
 Question: Use the FOIL method to find the product below:

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

	Choice	Feedback
A.	$x^{14} - x^{10} + 6x^6 - x^2$	
*B.	$x^{14} - x^{10} + 6x^6 - 6x^2$	
C.	$x^{14} - 5x^4 - 6x^2$	
D.	$x^{14} + x^{10} - 6x^6 + 6x^2$	

#### Global Incorrect Feedback

The correct answer is:  $x^{14} - x^{10} + 6x^6 - 6x^2$ .

### Question 6b of 8 ( 3 Using the FOIL method to multiply two binomials 284175 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Use the FOIL method to find the product below:

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

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

#### Global Incorrect Feedback

The correct answer is:  $x^{14} - x^{11} + 7x^5 - 7x^2$ .

### Question 6c of 8 ( 3 Using the FOIL method to multiply two binomials 284176 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Use the FOIL method to find the product below:

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

	Choice	Feedback
A.	$x^{13} - 5x^7 - 6x^2$	
B.	$x^{13} + x^8 - 5x^7 + 5x^2$	
*C.	$x^{13} - x^8 + 5x^7 - 5x^2$	
D.	$x^{13} - x^8 + 5x^7 - x^2$	

#### Global Incorrect Feedback

The correct answer is:  $x^{13} - x^8 + 5x^7 - 5x^2$ .

### Question 7a of 8 ( 3 Using the FOIL method to multiply two binomials 91116 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Use the FOIL method to find the product below:

$$(8x - 2)(3x + 6)$$

	Choice	Feedback
A.	$24x^2 + 12x + 18$	
B.	$24x^2 + 54x - 12$	
*C.	$24x^2 + 42x - 12$	
D.	$24x^2 + 36x - 12$	

<b>Global Incorrect Feedback</b>
The correct answer is: $24x^2 + 42x - 12$ .

**Question 7b of 8** ( 3 Using the FOIL method to multiply two binomials 284177 )

**Maximum Attempts:** 1  
**Question Type:** Multiple Choice  
**Maximum Score:** 2  
**Question:** Use the FOIL method to find the product below:

$$(7x - 1)(4x + 5)$$

	Choice	Feedback
A.	$28x^2 + 31x + 5$	
*B.	$28x^2 + 31x - 5$	
C.	$28x^2 + 39x - 5$	
D.	$28x^2 + 20x - 5$	

<b>Global Incorrect Feedback</b>
The correct answer is: $28x^2 + 31x - 5$ .

**Question 7c of 8** ( 3 Using the FOIL method to multiply two binomials 284178 )

**Maximum Attempts:** 1  
**Question Type:** Multiple Choice  
**Maximum Score:** 2  
**Question:** Use the FOIL method to find the product below:

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

	Choice	Feedback
A.	$21x^2 + 14x - 28$	
B.	$21x^2 + 7x + 28$	
C.	$21x^2 + 49x - 28$	
*D.	$21x^2 - 7x - 28$	

<b>Global Incorrect Feedback</b>
The correct answer is: $21x^2 - 7x - 28$ .

**Question 8a of 8** ( 3 Using the FOIL method to multiply two binomials 91117 )

**Maximum Attempts:** 1  
**Question Type:** Multiple Choice  
**Maximum Score:** 2  
**Question:** Use the FOIL method to find the product below:

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

	Choice	Feedback
A.	$35x^2 + 34x - 8$	
*B.	$35x^2 + 34x + 8$	
C.	$35x^2 + -6x$	
D.	$35x^2 + 27x - 8$	

Global Incorrect Feedback
The correct answer is: $35x^2 + 34x + 8$ .

### Question 8b of 8 ( 3 Using the FOIL method to multiply two binomials 284179 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Use the FOIL method to find the product below:

$$(8x + 3)(4x + 3)$$

	Choice	Feedback
A.	$32x^2 + 24x - 9$	
B.	$32x^2 - 36x + 9$	
C.	$32x^2 + -36x$	
*D.	$32x^2 + 36x + 9$	

Global Incorrect Feedback
The correct answer is: $32x^2 + 36x + 9$ .

### Question 8c of 8 ( 3 Using the FOIL method to multiply two binomials 284180 )

Maximum Attempts: 1

Question Type: Multiple Choice

Maximum Score: 2

Question: Use the FOIL method to find the product below.

$$(5x + 7)(6x + 1)$$

	Choice	Feedback
A.	$30x^2 + 35x - 7$	
B.	$30x^2 + 35x + 7$	
*C.	$30x^2 + 47x + 7$	
D.	$30x^2 + 47x - 7$	

Global Incorrect Feedback
The correct answer is: $30x^2 + 47x + 7$ .