

PREVIEW

CLOSE

**Quiz: Factoring with the Zero Product Rule**

**Question 1a of 14** ( 3 Solving Quadratic Equations 90938 )

**Maximum Attempts:** 1

**Question Type:** Multiple Response

**Maximum Score:** 2

**Question:** Which of the following are solutions to the equation below?

*Check all that apply.*

$$x^2 - 11x + 24 = 0$$

**Correct Answers:**

	Choice
A.	-24
B.	-3
C.	11
D.	-8
*E.	3
*F.	8

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answers are: 3 and 8.

**Question 1b of 14** ( 3 Solving Quadratic Equations 297517 )

**Maximum Attempts:** 1

**Question Type:** Multiple Response

**Maximum Score:** 2

**Question:** Which of the following are solutions to the equation below?

*Check all that apply.*

$$x^2 - 12x + 32 = 0$$

**Correct Answers:**

	Choice
A.	-24
*B.	4
C.	12
*D.	8
E.	-4
F.	-8

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	<b>Global Incorrect Feedback</b>
	The correct answers are: 4 and 8.

**Question 1c of 14** ( 3 Solving Quadratic Equations 297518 )

**Maximum Attempts:** 1

**Question Type:** Multiple Response

**Maximum Score:** 2

**Question:** Which of the following are solutions to the equation below?

*Check all that apply.*

$$x^2 - 11x + 28 = 0$$

**Correct Answers:**

	Choice
<b>*A.</b>	4
<b>B.</b>	28
<b>C.</b>	-11
<b>*D.</b>	7
<b>E.</b>	-7
<b>F.</b>	-4

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answers are: 4 and 7.

**Question 2a of 14** ( 3 Solving Quadratic Equations 90939 )

**Maximum Attempts:** 1

**Question Type:** Multiple Response

**Maximum Score:** 2

**Question:** Which of the following are solutions to the equation below?

*Check all that apply.*

$$x^2 - 2x - 24 = 0$$

**Correct Answers:**

	Choice
<b>A.</b>	-24
<b>B.</b>	10
<b>C.</b>	4
<b>*D.</b>	-4
<b>*E.</b>	6
<b>F.</b>	-6

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	<b>Global Incorrect Feedback</b>
	The correct answers are: -4 and 6.

**Question 2b of 14** ( 3 Solving Quadratic Equations 297519 )

**Maximum Attempts:** 1

**Question Type:** Multiple Response

**Maximum Score:** 2

**Question:** Which of the following are solutions to the equation below?

*Check all that apply.*

$$x^2 + 1x - 20 = 0$$

**Correct Answers:**

	Choice
A.	-20
B.	10
C.	-4
*D.	4
*E.	-5
F.	5

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answers are: 4 and -5.

**Question 2c of 14** ( 3 Solving Quadratic Equations 297520 )

**Maximum Attempts:** 1

**Question Type:** Multiple Response

**Maximum Score:** 2

**Question:** Which of the following are solutions to the equation below?

*Check all that apply.*

$$x^2 + 3x - 18 = 0$$

**Correct Answers:**

	Choice
A.	9
*B.	3
C.	-3
D.	6
E.	18
*F.	-6

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	<b>Global Incorrect Feedback</b>
	The correct answers are: 3 and -6.

**Question 3a of 14** ( 3 Solving Quadratic Equations 90940 )

**Maximum Attempts:** 1  
**Question Type:** Multiple Response  
**Maximum Score:** 2  
**Question:** Which of the following are solutions to the equation below?  
*Check all that apply.*  
 $7x^2 + 35x - 252 = 0$

**Correct Answers:**

	Choice
A.	252
*B.	-9
C.	9
*D.	4
E.	-7
F.	-4

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answers are: -9 and 4.

**Question 3b of 14** ( 3 Solving Quadratic Equations 297521 )

**Maximum Attempts:** 1  
**Question Type:** Multiple Response  
**Maximum Score:** 2  
**Question:** Which of the following are solutions to the equation below?  
*Check all that apply.*  
 $6x^2 + 30x - 216 = 0$

**Correct Answers:**

	Choice
A.	216
B.	9
*C.	-9
D.	-4
E.	-6
*F.	4

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	<b>Global Incorrect Feedback</b>
	The correct answers are: -9 and 4.

### Question 3c of 14 ( 3 Solving Quadratic Equations 297522 )

**Maximum Attempts:** 1

**Question Type:** Multiple Response

**Maximum Score:** 2

**Question:** Which of the following are solutions to the equation below?

*Check all that apply.*

$$7x^2 + 35x - 168 = 0$$

**Correct Answers:**

	Choice
A.	168
*B.	-8
C.	8
D.	-3
*E.	3
F.	-4

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answers are: -8 and 3.

### Question 4a of 14 ( 3 Solving Quadratic Equations 90941 )

**Maximum Attempts:** 1

**Question Type:** Multiple Response

**Maximum Score:** 2

**Question:** Which of the following are solutions to the equation below?

*Check all that apply.*

$$3x^2 + 27x + 60 = 0$$

**Correct Answers:**

	Choice
A.	4
B.	5
*C.	-5
*D.	-4
E.	-60
F.	-27

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	<b>Global Incorrect Feedback</b>
	The correct answers are: -5 and -4.

**Question 4b of 14** ( 3 Solving Quadratic Equations 297523 )

**Maximum Attempts:** 1

**Question Type:** Multiple Response

**Maximum Score:** 2

**Question:** Which of the following are solutions to the equation below?

*Check all that apply.*

$$4x^2 + 32x + 60 = 0$$

**Correct Answers:**

	Choice
A.	5
*B.	-5
C.	3
*D.	-3
E.	-60
F.	-32

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answers are: -5 and -3.

**Question 4c of 14** ( 3 Solving Quadratic Equations 297524 )

**Maximum Attempts:** 1

**Question Type:** Multiple Response

**Maximum Score:** 2

**Question:** Which of the following are solutions to the equation below?

*Check all that apply.*

$$3x^2 + 27x + 54 = 0$$

**Correct Answers:**

	Choice
A.	3
*B.	-3
C.	6
*D.	-6
E.	9
F.	-27

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	<b>Global Incorrect Feedback</b>
	The correct answers are: -3 and -6.

### Question 5a of 14 ( 3 Solving Quadratic Equations 90942 )

**Maximum Attempts:** 1

**Question Type:** Multiple Response

**Maximum Score:** 2

**Question:** Which of the following are solutions to the equation below?

*Check all that apply.*

$$x^2 - 25 = 0$$

**Correct Answers:**

	Choice
A.	25
*B.	5
*C.	-5
D.	2
E.	-10
F.	10

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answers are: 5 and -5.

### Question 5b of 14 ( 3 Solving Quadratic Equations 297525 )

**Maximum Attempts:** 1

**Question Type:** Multiple Response

**Maximum Score:** 2

**Question:** Which of the following are solutions to the equation below?

*Check all that apply.*

$$x^2 - 81 = 0$$

**Correct Answers:**

	Choice
A.	81
*B.	9
*C.	-9
D.	2
E.	18
F.	-18

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	<b>Global Incorrect Feedback</b>
	The correct answers are: 9 and -9.

### Question 5c of 14 ( 3 Solving Quadratic Equations 297526 )

**Maximum Attempts:** 1

**Question Type:** Multiple Response

**Maximum Score:** 2

**Question:** Which of the following are solutions to the equation below?

*Check all that apply.*

$$x^2 - 49 = 0$$

**Correct Answers:**

	Choice
A.	49
B.	2
C.	-14
*D.	7
*E.	-7
F.	14

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answers are: 7 and -7.

### Question 6a of 14 ( 3 Solving Quadratic Equations 90943 )

**Maximum Attempts:** 1

**Question Type:** Multiple Response

**Maximum Score:** 2

**Question:** Which of the following are solutions to the equation below?

*Check all that apply.*

$$x^2 - 36 = 0$$

**Correct Answers:**

	Choice
A.	12
B.	36
C.	2
*D.	-6
*E.	6
F.	-12

Attempt	Incorrect Feedback
1st	

	Correct Feedback



	<b>Global Incorrect Feedback</b>
	The correct answers are: -6 and 6.

### Question 6b of 14 ( 3 Solving Quadratic Equations 297527 )

**Maximum Attempts:** 1

**Question Type:** Multiple Response

**Maximum Score:** 2

**Question:** Which of the following are solutions to the equation below?

*Check all that apply.*

$$x^2 - 16 = 0$$

**Correct Answers:**

	Choice
A.	16
B.	8
*C.	-4
D.	-2
*E.	4
F.	-8

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answers are: -4 and 4.

### Question 6c of 14 ( 3 Solving Quadratic Equations 297528 )

**Maximum Attempts:** 1

**Question Type:** Multiple Response

**Maximum Score:** 2

**Question:** Which of the following are solutions to the equation below?

*Check all that apply.*

$$x^2 - 64 = 0$$

**Correct Answers:**

	Choice
A.	2
B.	64
*C.	8
*D.	-8
E.	16
F.	-16

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	<b>Global Incorrect Feedback</b>
	The correct answers are: 8 and -8.

**Question 7a of 14** ( 3 Solving Quadratic Equations 90944 )

**Maximum Attempts:** 1

**Question Type:** Multiple Response

**Maximum Score:** 2

**Question:** Which of the following are solutions to the equation below?

*Check all that apply.*

$$15x^2 - 44x + 32 = 0$$

**Correct Answers:**

	Choice
A.	$x = 8$
B.	$x = \frac{3}{4}$
*C.	$x = \frac{8}{5}$
D.	$x = \frac{5}{8}$
E.	$x = 4$
*F.	$x = \frac{4}{3}$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answers are: $x = \frac{8}{5}$ and $x = \frac{4}{3}$ .

**Question 7b of 14** ( 3 Solving Quadratic Equations 297529 )

**Maximum Attempts:** 1

**Question Type:** Multiple Response

**Maximum Score:** 2

**Question:** Which of the following are solutions to the equation below?

*Check all that apply.*

$$20x^2 - 47x + 24 = 0$$

**Correct Answers:**

	Choice
A.	$x = 8$
*B.	$x = \frac{3}{4}$
C.	$x = \frac{5}{8}$
*D.	$x = \frac{8}{5}$
E.	$x = 4$
F.	$x = \frac{4}{3}$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answers are: $x = \frac{3}{4}$ and $x = \frac{8}{5}$ .

### Question 7c of 14 ( 3 Solving Quadratic Equations 297530 )

Maximum Attempts: 1

Question Type: Multiple Response

Maximum Score: 2

Question: Which of the following are solutions to the equation below?

*Check all that apply.*

$$24x^2 - 47x + 20 = 0$$

Correct Answers:

	Choice
A.	$x = 8$
B.	$x = \frac{3}{4}$
C.	$x =$
*D.	$x =$
E.	$x = 4$
*F.	$x =$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answers are: $x =$ and $x =$ .

### Question 8a of 14 ( 3 Solving Quadratic Equations 90945 )

**Maximum Attempts:** 1

**Question Type:** Multiple Response

**Maximum Score:** 2

**Question:** Which of the following are solutions to the equation below?

*Check all that apply.*

$$25x^2 - 50x + 21 = 0$$

**Correct Answers:**

	Choice
*A.	$x = \frac{7}{5}$
*B.	$x = \frac{3}{5}$
C.	$x = \frac{7}{3}$
D.	$x = 3$
E.	$x = 5$
F.	$x = \frac{5}{3}$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answers are: $x = \frac{7}{5}$ and $x = \frac{3}{5}$ .

### Question 8b of 14 ( 3 Solving Quadratic Equations 297531 )

**Maximum Attempts:** 1

**Question Type:** Multiple Response

**Maximum Score:** 2

**Question:** Which of the following are solutions to the equation below?

*Check all that apply.*

$$15x^2 - 44x + 21 = 0$$

**Correct Answers:**

	Choice
A.	$x =$
B.	$x = 3$
C.	$x =$
*D.	$x =$
E.	$x = 5$
*F.	$x =$

Attempt	Incorrect Feedback
1st	

	<b>Correct Feedback</b>
	<b>Global Incorrect Feedback</b>
	The correct answers are: $x = \frac{3}{5}$ and $x = \frac{7}{3}$ .

### Question 8c of 14 ( 3 Solving Quadratic Equations 297532 )

**Maximum Attempts:** 1

**Question Type:** Multiple Response

**Maximum Score:** 2

**Question:** Which of the following are solutions to the equation below?

*Check all that apply.*

$$15x^2 - 46x + 35 = 0$$

**Correct Answers:**

	Choice
*A.	$x = \frac{7}{5}$
B.	$x = \frac{3}{5}$
C.	$x = \frac{7}{3}$
D.	$x = 3$
E.	$x = 5$
*F.	$x = \frac{5}{3}$

Attempt	Incorrect Feedback
1st	

	<b>Correct Feedback</b>

	<b>Global Incorrect Feedback</b>
	The correct answers are: $x = \frac{7}{5}$ and $x = \frac{5}{3}$ .

### Question 9a of 14 ( 1 Solving Quadratic Equations 120923 )

**Maximum Attempts:** 1

**Question Type:** True-False

**Maximum Score:** 2

**Question:** A quadratic equation is an equation that can be written in the form  $ax^2 + bx + c = 0$ , where  $a$ ,  $b$ , and  $c$  are real numbers, and  $a$  is not 0.

	Choice	Feedback
*A.	True	
B.	False	

<b>Global Incorrect Feedback</b>
The correct answer is: True.

### Question 9b of 14 ( 1 Solving Quadratic Equations 297533 )

**Maximum Attempts:** 1

**Question Type:** True-False

**Maximum Score:** 2

**Question:** A quadratic equation is an equation that can be written in the form  $ax^2 + bx + c = 0$ , where  $a$ ,  $b$ , and  $c$  are real numbers, and  $a$  is not 0.

	Choice	Feedback
*A.	True	
B.	False	

Global Incorrect Feedback
The correct answer is: True.

### Question 9c of 14 ( 1 Solving Quadratic Equations 297534 )

**Maximum Attempts:** 1

**Question Type:** True-False

**Maximum Score:** 2

**Question:** A quadratic equation is an equation that can be written in the form  $ax^2 + bx + c = 0$ , where  $a$ ,  $b$ , and  $c$  are real numbers, and  $a$  is not 0.

	Choice	Feedback
*A.	True	
B.	False	

Global Incorrect Feedback
The correct answer is: True.

### Question 10a of 14 ( 2 Solving Quadratic Equations 120924 )

**Maximum Attempts:** 1

**Question Type:** Text Fill In Blank

**Maximum Score:** 2

**Is Case Sensitive:** false

**Correct Answer:**  $x^2+3x-2=0$ ,  $x^2+3x^1-2=0$

**Question:** Put the equation below in the form  $ax^2 + bx + c = 0$ . Enter exponents using the caret ( ^ ). For example, you would enter  $4x^2$  as  $4x^2$ .

$$x^2 + 3x + 7 = 9$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $x^2 + 3x - 2 = 0$ .

**Question 10b of 14** ( 2 Solving Quadratic Equations 297535 )**Maximum Attempts:** 1**Question Type:** Text Fill In Blank**Maximum Score:** 2**Is Case Sensitive:** false**Correct Answer:**  $x^2+2x+7=0$ ,  $x^2+2x^1+7=0$ **Question:** Put the equation below in the form  $ax^2 + bx + c = 0$ . Enter exponents using the caret ( ^ ). For example, you would enter  $4x^2$  as  $4x^2$ .

$$x^2 + 2x + 9 = 2$$

Attempt	Incorrect Feedback
1st	
	<b>Correct Feedback</b>
	<b>Global Incorrect Feedback</b>
	The correct answer is: $x^2 + 2x + 7 = 0$ .

**Question 10c of 14** ( 2 Solving Quadratic Equations 297536 )**Maximum Attempts:** 1**Question Type:** Text Fill In Blank**Maximum Score:** 2**Is Case Sensitive:** false**Correct Answer:**  $x^2+4x+7=0$ ,  $x^2+4x^1+7=0$ **Question:** Put the equation below in the form  $ax^2 + bx + c = 0$ . Enter exponents using the caret ( ^ ). For example, you would enter  $4x^2$  as  $4x^2$ .

$$x^2 + 4x + 10 = 3$$

Attempt	Incorrect Feedback
1st	
	<b>Correct Feedback</b>
	<b>Global Incorrect Feedback</b>
	The correct answer is: $x^2 + 4x + 7 = 0$ .

**Question 11a of 14** ( 2 Solving Quadratic Equations 120926 )**Maximum Attempts:** 1**Question Type:** Text Fill In Blank**Maximum Score:** 2**Is Case Sensitive:** false**Correct Answer:**  $3x^2-5x-2=0$ ,  $3x^2-5x^1-2=0$ **Question:** Put the equation below in the form  $ax^2 + bx + c = 0$ . Enter exponents using the caret ( ^ ). For example, you would enter  $4x^2$  as  $4x^2$ .

$$x^2 - 2 = -2x^2 + 5x$$

Attempt	Incorrect Feedback
1st	
	<b>Correct Feedback</b>
	<b>Global Incorrect Feedback</b>
	The correct answer is: $3x^2 - 5x - 2 = 0$ .

**Question 11b of 14** ( 2 Solving Quadratic Equations 297537 )**Maximum Attempts:** 1**Question Type:** Text Fill In Blank**Maximum Score:** 2**Is Case Sensitive:** false**Correct Answer:**  $5x^2-3x-5=0$ ,  $5x^2-3x^1-5=0$ **Question:** Put the equation below in the form  $ax^2 + bx + c = 0$ . Enter exponents using the caret ( ^ ). For example, you would enter  $4x^2$  as  $4x^2$ .

$$x^2 - 5 = -4x^2 + 3x$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $5x^2 - 3x - 5 = 0$ .

**Question 11c of 14** ( 2 Solving Quadratic Equations 297538 )**Maximum Attempts:** 1**Question Type:** Text Fill In Blank**Maximum Score:** 2**Is Case Sensitive:** false**Correct Answer:**  $4x^2-8x-3=0$ ,  $4x^2-8x^1-3=0$ **Question:** Put the equation below in the form  $ax^2 + bx + c = 0$ . Enter exponents using the caret ( ^ ). For example, you would enter  $4x^2$  as  $4x^2$ .

$$x^2 - 3 = -3x^2 + 8x$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback

	Global Incorrect Feedback
	The correct answer is: $4x^2 - 8x - 3 = 0$ .

**Question 12a of 14** ( 2 Solving Quadratic Equations 120927 )**Maximum Attempts:** 1**Question Type:** Text Fill In Blank**Maximum Score:** 2**Is Case Sensitive:** false**Correct Answer:**  $x^2+10x+9=0$ ,  $x^2+10x^1+9=0$ **Question:** Put the equation below in the form  $ax^2 + bx + c = 0$ . Enter exponents using the caret ( ^ ). For example, you would enter  $4x^2$  as  $4x^2$ .

$$(x + 3)^2 + 4x = 0$$

Attempt	Incorrect Feedback
1st	

	Correct Feedback



	<b>Global Incorrect Feedback</b>
	The correct answer is: $x^2 + 10x + 9 = 0$ .

### Question 12b of 14 ( 2 Solving Quadratic Equations 297539 )

**Maximum Attempts:** 1

**Question Type:** Text Fill In Blank

**Maximum Score:** 2

**Is Case Sensitive:** false

**Correct Answer:**  $x^2+7x+4=0$ ,  $x^2+7x^1+4=0$

**Question:** Put the equation below in the form  $ax^2 + bx + c = 0$ . Enter exponents using the caret ( ^ ). For example, you would enter  $4x^2$  as  $4x^2$ .

$$(x + 2)^2 + 3x = 0$$

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

	<b>Correct Feedback</b>

	<b>Global Incorrect Feedback</b>
	The correct answer is: $x^2 + 7x + 4 = 0$ .

### Question 12c of 14 ( 2 Solving Quadratic Equations 297540 )

**Maximum Attempts:** 1

**Question Type:** Text Fill In Blank

**Maximum Score:** 2

**Is Case Sensitive:** false

**Correct Answer:**  $x^2+12x+16=0$ ,  $x^2+12x^1+16=0$

**Question:** Put the equation below in the form  $ax^2 + bx + c = 0$ . Enter exponents using the caret ( ^ ). For example, you would enter  $4x^2$  as  $4x^2$ .

$$(x + 4)^2 + 4x = 0$$

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

	<b>Correct Feedback</b>

	<b>Global Incorrect Feedback</b>
	The correct answer is: $x^2 + 12x + 16 = 0$ .

### Question 13a of 14 ( 2 Solving Quadratic Equations 120928 )

**Maximum Attempts:** 1

**Question Type:** Text Fill In Blank

**Maximum Score:** 2

**Is Case Sensitive:** false

**Correct Answer:**  $5x^2-4x-2=0$ ,  $-5x^2+4x+2=0$ ,  $5x^2-4x^1-2=0$ ,  $-5x^2+4x^1+2=0$

**Question:** Put the equation below in the form  $ax^2 + bx + c = 0$ . Enter exponents using the caret ( ^ ). For example, you would enter  $4x^2$  as  $4x^2$ .

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

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

	<b>Correct Feedback</b>
	<b>Global Incorrect Feedback</b>
	The correct answer is: $5x^2 - 4x - 2 = 0$ .

### Question 13b of 14 ( 2 Solving Quadratic Equations 297541 )

**Maximum Attempts:** 1

**Question Type:** Text Fill In Blank

**Maximum Score:** 2

**Is Case Sensitive:** false

**Correct Answer:**  $10x^2 - 6x - 3 = 0$ ,  $-10x^2 + 6x + 3 = 0$ ,  $10x^2 - 6x^1 - 3 = 0$ ,  $-10x^2 + 6x^1 + 3 = 0$

**Question:** Put the equation below in the form  $ax^2 + bx + c = 0$ . Enter exponents using the caret ( ^ ). For example, you would enter  $4x^2$  as  $4x^2$ .

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

<b>Attempt</b>	<b>Incorrect Feedback</b>
1st	
	<b>Correct Feedback</b>
	<b>Global Incorrect Feedback</b>
	The correct answer is: $10x^2 - 6x - 3 = 0$ .

### Question 13c of 14 ( 2 Solving Quadratic Equations 297542 )

**Maximum Attempts:** 1

**Question Type:** Text Fill In Blank

**Maximum Score:** 2

**Is Case Sensitive:** false

**Correct Answer:**  $17x^2 - 8x - 2 = 0$ ,  $-17x^2 + 8x + 2 = 0$ ,  $17x^2 - 8x^1 - 2 = 0$ ,  $-17x^2 + 8x^1 + 2 = 0$

**Question:** Put the equation below in the form  $ax^2 + bx + c = 0$ . Enter exponents using the caret ( ^ ). For example, you would enter  $4x^2$  as  $4x^2$ .

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

<b>Attempt</b>	<b>Incorrect Feedback</b>
1st	
	<b>Correct Feedback</b>
	<b>Global Incorrect Feedback</b>
	The correct answer is: $17x^2 - 8x - 2 = 0$ .

### Question 14a of 14 ( 1 Solving Quadratic Equations 120930 )

**Maximum Attempts:** 1

**Question Type:** Text Fill In Blank

**Maximum Score:** 2

**Is Case Sensitive:** false

**Correct Answer:** square

**Question:** There are some instances where it is better to factor a polynomial without first putting it in standard form. One example is a quadratic equation that, in nonstandard form, contains a perfect \_\_\_\_\_ trinomial.

Attempt	Incorrect Feedback
1st	
	<b>Correct Feedback</b>
	<b>Global Incorrect Feedback</b>
	The correct answer is: square.

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### Question 14b of 14 ( 1 Solving Quadratic Equations 297543 )

**Maximum Attempts:** 1

**Question Type:** Text Fill In Blank

**Maximum Score:** 2

**Is Case Sensitive:** false

**Correct Answer:** square

**Question:** There are some instances where it is better to factor a polynomial without first putting it in standard form. One example is a quadratic equation that, in nonstandard form, contains a perfect \_\_\_\_\_ trinomial.

Attempt	Incorrect Feedback
1st	
	<b>Correct Feedback</b>
	<b>Global Incorrect Feedback</b>
	The correct answer is: square.

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### Question 14c of 14 ( 1 Solving Quadratic Equations 297544 )

**Maximum Attempts:** 1

**Question Type:** Text Fill In Blank

**Maximum Score:** 2

**Is Case Sensitive:** false

**Correct Answer:** square

**Question:** There are some instances where it is better to factor a polynomial without first putting it in standard form. One example is a quadratic equation that, in nonstandard form, contains a perfect \_\_\_\_\_ trinomial.

Attempt	Incorrect Feedback
1st	
	<b>Correct Feedback</b>
	<b>Global Incorrect Feedback</b>
	The correct answer is: square.

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