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Alg

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.
$x^{2}-11 x+24=0$
Correct Answers:

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


| Attempt | Incorrect Feedback |
| :--- | :--- |
| 1 st |  |


|  | 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:
Maximum Score:
Question:
2

Multiple Response

Which of the following are solutions to the equation below?
Check all that apply.
$x^{2}-12 x+32=0$

## Correct Answers:

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


| Attempt | Incorrect Feedback |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |

## This version of Total HTML Converter is unregistered.

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|  | Global Incorrect Feedback |
| :--- | :--- |
|  | 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.
$x^{2}-11 x+28=0$

## Correct Answers:

|  | Choice |
| :--- | :--- |
| *A. | 4 |
| B. | 28 |
| C. | -11 |
| *D. | 7 |
| E. | -7 |
| F. | -4 |


| Attempt | Incorrect Feedback |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |


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

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

Maximum Attempts:
Question Type:
Maximum Score:
Question:

1
Multiple Response
2
Which of the following are solutions to the equation below?
Check all that apply.
$x^{2}-2 x-24=0$

## Correct Answers:

|  | Choice |
| :--- | :--- |
| A. | -24 |
| B. | 10 |
| C. | 4 |
| *D. | -4 |
| *E. | 6 |
| F. | -6 |


| Attempt | Incorrect Feedback |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |

## This version of Total HTML Converter is unregistered.

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|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answers are: -4 and 6. |

Question 2b of 14 ( 3 Solving Quadratic Equations 297519 )
Maximum Attempts: 1
Question Type:
Maximum Score:
Question:
Multiple Response
2
Which of the following are solutions to the equation below?
Check all that apply.
$x^{2}+1 x-20=0$

## Correct Answers:

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


| Attempt | Incorrect Feedback |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |


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

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

Maximum Attempts:
Question Type:
Maximum Score:
Question:

1
Multiple Response
2
Which of the following are solutions to the equation below?
Check all that apply.
$x^{2}+3 x-18=0$

## Correct Answers:

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


| Attempt | Incorrect Feedback |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |

## This version of Total HTML Converter is unregistered.

Alg

|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answers are: 3 and -6. |

Question 3a of 14 (3 Solving Quadratic Equations 90940 )
Maximum Attempts: 1
Question Type:
Maximum Score:
Question:
1
Multiple Response
2
Which of the following are solutions to the equation below?
Check all that apply.
$7 x^{2}+35 x-252=0$

## Correct Answers:

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


| Attempt | Incorrect Feedback |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |


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

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

Maximum Attempts:
Question Type:
Maximum Score:
Question:

1
Multiple Response
2
Which of the following are solutions to the equation below?
Check all that apply.
$6 x^{2}+30 x-216=0$

## Correct Answers:

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


| Attempt | Incorrect Feedback |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |

## This version of Total HTML Converter is unregistered.

Alg

|  | Global Incorrect Feedback |
| :--- | :--- |
|  | 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.
$7 x^{2}+35 x-168=0$
Correct Answers:

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


| Attempt | Incorrect Feedback |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |


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

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

Maximum Attempts:
Question Type:
Maximum Score:
Question:

1
Multiple Response
2
Which of the following are solutions to the equation below?
Check all that apply.
$3 x^{2}+27 x+60=0$

## Correct Answers:

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


| Attempt | Incorrect Feedback |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |

## This version of Total HTML Converter is unregistered.

Alg

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

Question 4b of 14 ( 3 Solving Quadratic Equations 297523 )
Maximum Attempts: 1
Question Type:
Maximum Score:
Question:
1
Multiple Response
2
Which of the following are solutions to the equation below?
Check all that apply.
$4 x^{2}+32 x+60=0$

## Correct Answers:

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


| Attempt | Incorrect Feedback |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |


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

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

Maximum Attempts:
Question Type:
Maximum Score:
Question:

1
Multiple Response
2
Which of the following are solutions to the equation below?
Check all that apply.
$3 x^{2}+27 x+54=0$

## Correct Answers:

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


| Attempt | Incorrect Feedback |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |

## This version of Total HTML Converter is unregistered.

Alg

|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answers are: -3 and -6. |

Question 5a of 14 ( 3 Solving Quadratic Equations 90942 )
Maximum Attempts: 1
Question Type:
Maximum Score:
Question:

1
Multiple Response
2
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 |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |


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

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

Maximum Attempts:
Question Type:
Maximum Score:
Question:

1
Multiple Response
2
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 |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |

## This version of Total HTML Converter is unregistered.

Alg

|  | Global Incorrect Feedback |
| :--- | :--- |
|  | 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 |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |


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

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

Maximum Attempts:
Question Type:
Maximum Score:
Question:

1
Multiple Response
2
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 |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |

## This version of Total HTML Converter is unregistered.

Alg

|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answers are: -6 and 6. |

Question 6b of 14 ( 3 Solving Quadratic Equations 297527 )
Maximum Attempts: 1
Question Type:
Maximum Score:
Question:
Multiple Response
2
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 |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |


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

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

Maximum Attempts:
Question Type:
Maximum Score:
Question:

1
Multiple Response
2
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 |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |

## This version of Total HTML Converter is unregistered.

Alg

|  | Global Incorrect Feedback |
| :--- | :--- |
|  | 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.
$15 x^{2}-44 x+32=0$

## 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 |
| :--- | :--- |
| 1 st |  |


|  | 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:
Question Type:
Maximum Score:
Question:

1
Multiple Response
2
Which of the following are solutions to the equation below?
Check all that apply.
$20 x^{2}-47 x+24=0$

## Correct Answers:

## This version of Total HTML Converter is unregistered.

Alg

|  | 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 |
| :--- | :--- |
| $1 s t$ |  |


|  | 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:
Question:
2

Which of the following are solutions to the equation below?
Check all that apply.
$24 x^{2}-47 x+20=0$

## Correct Answers:

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


| Attempt | Incorrect Feedback |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |


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

## This version of Total HTML Converter is unregistered.

Alg
Question 8a of 14 ( 3 Solving Quadratic Equations 90945 )
Maximum Attempts: 1
Question Type:
Maximum Score:
Question:

Multiple Response
2
Which of the following are solutions to the equation below?
Check all that apply.
$25 x^{2}-50 x+21=0$

## 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 |
| :--- | :--- |
| 1 st |  |


|  | 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:
Maximum Score:
Question:
2

Multiple Response

Which of the following are solutions to the equation below?
Check all that apply.
$15 x^{2}-44 x+21=0$

## Correct Answers:

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


| Attempt | Incorrect Feedback |
| :--- | :--- |
| 1 st |  |

## This version of Total HTML Converter is unregistered.

Alg

|  | Correct Feedback |
| :--- | :--- |
|  |  |


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | 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.
$15 x^{2}-46 x+35=0$
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 |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | 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:
Maximum Score:
Question:
2

True-False

A quadratic equation is an equation that can be written in the form $a x^{2}+b x+c=0$, 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. |

## This version of Total HTML Converter is unregistered.

Alg
Question 9b of 14 ( 1 Solving Quadratic Equations 297533 )
Maximum Attempts: 1
Question Type:
Maximum Score:
Question:
True-False
2
A quadratic equation is an equation that can be written in the form $a x^{2}+b x+c=0$, 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:
Maximum Score:
Question:
2

True-False

A quadratic equation is an equation that can be written in the form $a x^{2}+b x+c=0$, 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:
Question:
$x^{\wedge} 2+3 x-2=0, x^{\wedge} 2+3 x^{\wedge} 1-2=0$
Put the equation below in the form $a x^{2}+b x+c=0$. Enter exponents using the caret $(\wedge)$. For example, you would enter $4 x^{2}$ as $4 x^{\wedge} 2$.
$x^{2}+3 x+7=9$

| Attempt | Incorrect Feedback |
| :--- | :--- |
| 1st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |


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

# This version of Total HTML Converter is unregistered. 

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Question 10b of 14 ( 2 Solving Quadratic Equations 297535 )


Question 10c of 14 ( 2 Solving Quadratic Equations 297536 )
Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score:
Is Case Sensitive:
Correct Answer:
Question:

2
false
$x^{\wedge} 2+4 x+7=0, x^{\wedge} 2+4 x^{\wedge} 1+7=0$
Put the equation below in the form $a x^{2}+b x+c=0$. Enter exponents using the caret $(\wedge)$. For example, you would enter $4 x^{2}$ as $4 x^{\wedge} 2$.
$x^{2}+4 x+10=3$

| Attempt | Incorrect Feedback |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answer is: $x^{2}+4 x+7=0$. |

## Question 11a of 14 ( 2 Solving Quadratic Equations 120926 )

Maximum Attempts: 1
Question Type:
Maximum Score:
Is Case Sensitive:
Correct Answer:
Question:
2

Text Fill In Blank
false
$3 x^{\wedge} 2-5 x-2=0,3 x^{\wedge} 2-5 x^{\wedge} 1-2=0$
Put the equation below in the form $a x^{2}+b x+c=0$. Enter exponents using the caret $(\wedge)$. For example, you would enter $4 x^{2}$ as $4 x^{\wedge} 2$.
$x^{2}-2=-2 x^{2}+5 x$

| Attempt | Incorrect Feedback |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |


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

Question 11 b of 14 ( 2 Solving Quadratic Equations 297537 )

Maximum Attempts: 1
Question Type:
Maximum Score:
Is Case Sensitive:
Correct Answer:
Question:
2

Text Fill In Blank
false
$5 x^{\wedge} 2-3 x-5=0,5 x^{\wedge} 2-3 x^{\wedge} 1-5=0$
Put the equation below in the form $a x^{2}+b x+c=0$. Enter exponents using the caret ( $\wedge^{\wedge}$ ). For example, you would enter $4 x^{2}$ as $4 x^{\wedge} 2$.

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

| Attempt | Incorrect Feedback |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |


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

Question 11c of 14 ( 2 Solving Quadratic Equations 297538 )
Maximum Attempts: 1
Question Type:
Maximum Score:
Is Case Sensitive:
Correct Answer:
Question:

Text Fill In Blank
2
false
$4 x^{\wedge} 2-8 x-3=0,4 x^{\wedge} 2-8 x^{\wedge} 1-3=0$
Put the equation below in the form $a x^{2}+b x+c=0$. Enter exponents using the caret ( $\wedge$ ). For example, you would enter $4 x^{2}$ as $4 x^{\wedge} 2$.
$x^{2}-3=-3 x^{2}+8 x$

| Attempt | Incorrect Feedback |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |


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

Question 12 of 14 ( 2 Solving Quadratic Equations 120927 )

Maximum Attempts:
Question Type:
Maximum Score:
Is Case Sensitive:
Correct Answer:
Question:

1
Text Fill In Blank
2
false
$x^{\wedge} 2+10 x+9=0, x^{\wedge} 2+10 x^{\wedge} 1+9=0$
Put the equation below in the form $a x^{2}+b x+c=0$. Enter exponents using the caret ( $\wedge^{\wedge}$ ). For example, you would enter $4 x^{2}$ as $4 x^{\wedge} 2$.
$(x+3)^{2}+4 x=0$

| Attempt | Incorrect Feedback |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |

## This version of Total HTML Converter is unregistered.

Alg

|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answer is: $x^{2}+10 x+9=0$. |

Question 12b of 14 ( 2 Solving Quadratic Equations 297539 )
Maximum Attempts: 1
Question Type: Text Fill In Blank

Maximum Score:
Is Case Sensitive:
Correct Answer:
Question:

## 2

false
$x^{\wedge} 2+7 x+4=0, x^{\wedge} 2+7 x^{\wedge} 1+4=0$
Put the equation below in the form $a x^{2}+b x+c=0$. Enter exponents using the caret ( $\wedge$ ). For example, you would enter $4 x^{2}$ as $4 x^{\wedge} 2$.

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

| Attempt | Incorrect Feedback |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answer is: $x^{2}+7 x+4=0$. |

Question 12c of 14 ( 2 Solving Quadratic Equations 297540)
Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive:
Correct Answer:
Question:
false
$x^{\wedge} 2+12 x+16=0, x^{\wedge} 2+12 x^{\wedge} 1+16=0$
Put the equation below in the form $a x^{2}+b x+c=0$. Enter exponents using the caret ( $\wedge^{\wedge}$ ). For example, you would enter $4 x^{2}$ as $4 x^{\wedge} 2$.
$(x+4)^{2}+4 x=0$

| Attempt | Incorrect Feedback |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answer is: $x^{2}+12 x+16=0$. |

Question 13a of 14 ( 2 Solving Quadratic Equations 120928 )
Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score:
Is Case Sensitive:
Correct Answer:
Question:
false
$5 x^{\wedge} 2-4 x-2=0,-5 x^{\wedge} 2+4 x+2=0,5 x^{\wedge} 2-4 x^{\wedge} 1-2=0,-5 x^{\wedge} 2+4 x^{\wedge} 1+2=0$
Put the equation below in the form $a x^{2}+b x+c=0$. Enter exponents using the caret ( $\wedge$ ). For example, you would enter $4 x^{2}$ as $4 x^{\wedge} 2$.

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

| Attempt | Incorrect Feedback |
| :--- | :--- |
| 1 st |  |

## This version of Total HTML Converter is unregistered.

Alg

|  | Correct Feedback |
| :--- | :--- |
|  |  |


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answer is: $5 x^{2}-4 x-2=0$. |

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

Maximum Attempts: 1
Question Type:
Maximum Score:
Is Case Sensitive:
Correct Answer: Question:

2

Text Fill In Blank
false
$10 x^{\wedge} 2-6 x-3=0,-10 x^{\wedge} 2+6 x+3=0,10 x^{\wedge} 2-6 x^{\wedge} 1-3=0,-10 x^{\wedge} 2+6 x^{\wedge} 1+3=0$
Put the equation below in the form $a x^{2}+b x+c=0$. Enter exponents using the caret $(\wedge)$. For example, you would enter $4 x^{2}$ as $4 x^{\wedge} 2$.
$-x^{2}+4=(3 x-1)^{2}$

| Attempt | Incorrect Feedback |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answer is: $10 x^{2}-6 x-3=0$. |

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:
Question: $17 x^{\wedge} 2-8 x-2=0,-17 x^{\wedge} 2+8 x+2=0,17 x^{\wedge} 2-8 x^{\wedge} 1-2=0,-17 x^{\wedge} 2+8 x^{\wedge} 1+2=0$
Put the equation below in the form $a x^{2}+b x+c=0$. Enter exponents using the caret $(\wedge)$. For example, you would enter $4 x^{2}$ as $4 x^{\wedge} 2$.
$-x^{2}+3=(4 x-1)^{2}$

| Attempt | Incorrect Feedback |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answer is: $17 x^{2}-8 x-2=0$. |

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 <br> first putting it in standard form. One example is a quadratic equation that, in <br> nonstandard form, contains a perfect _ trinomial. |
|  |  |

## This version of Total HTML Converter is unregistered.

Alg

| Attempt | Incorrect Feedback |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answer is: square. |

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

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score:
Is Case Sensitive:
Correct Answer:
Question:
1

2
false
square

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 $\qquad$ trinomial.

| Attempt | Incorrect Feedback |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answer is: square. |

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

Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score:
Is Case Sensitive:
Correct Answer:
Question:
2
false
square

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 $\qquad$ trinomial.

| Attempt | Incorrect Feedback |
| :--- | :--- |
| 1 st |  |


|  | Correct Feedback |
| :--- | :--- |
|  |  |


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answer is: square. |

