# This version of Total HTML Converter is unregistered. 

Question 1a of 15 ( 1 Using The Quadratic Formula to Solve Quadratic Equations 91330 )

Maximum Attempts:
Question Type:
Maximum Score:
Question:

1
Multiple Response
2
Which of the following statements must be true of an equation before you can use the quadratic formula to find the solutions?

Check all that apply.

Correct Answers:

|  | Choice |
| :---: | :--- |
| *A. | There can be no term whose <br> degree is higher than 2. |
| *B. | The coefficient of the $x^{2}$-term <br> can't be 0. |
| C. | The coefficient of the $x$-term <br> must be positive. |
| *D. | One side of the equation must <br> be 0. |


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


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


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answers are: There can be no term <br> whose degree is higher than 2, The coefficient <br> of the $x^{2}$-term can't be 0, and One side of the <br> equation must be 0. |

Question 1 b of 15 ( 1 Using The Quadratic Formula to Solve Quadratic Equations 297698 )

Maximum Attempts:
Question Type:
Maximum Score:
Question:

1
Multiple Response
2
Which of the following statements must be true of an equation before you can use the quadratic formula to find the solutions?

Check all that apply.

## Correct Answers:

|  | Choice |
| :--- | :--- |
| $* \mathbf{A .}$ | There can be no term whose <br> degree is higher than 2. |
| $* \mathbf{B}$. | The coefficient of the $x^{2}$-term <br> can't be 0. |
| C. | The coefficient of the $x$-term <br> must be positive. |
| $* \mathbf{D}$. | One side of the equation must <br> be 0. |


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

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Preview

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


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answers are: There can be no term <br> whose degree is higher than 2, The coefficient <br> of the $x^{2}$-term can't be 0, and One side of the <br> equation must be 0. |

Question 1 c of 15 ( 1 Using The Quadratic Formula to Solve Quadratic Equations 297699 )

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

Multiple Response

Which of the following statements must be true of an equation before you can use the quadratic formula to find the solutions?

Check all that apply.

## Correct Answers:

|  | Choice |
| :--- | :--- |
| *A. | There can be no term whose <br> degree is higher than 2. |
| *B. | The coefficient of the $x^{2}$-term <br> can't be 0. |
| C. | The coefficient of the $x$-term <br> must be positive. |
| *D. | One side of the equation must <br> be 0. |


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


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


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answers are: There can be no term <br> whose degree is higher than 2, The coefficient <br> of the $x^{2}$-term can't be 0, and One side of the <br> equation must be 0. |

Question 2a of 15 ( 2 Using The Quadratic Formula to Solve Quadratic Equations 91331)

Maximum Attempts:
Question Type:
Maximum Score:
Question:

1
Multiple Response
2
After being rearranged and simplified, which of the following equations could be solved using the quadratic formula?

Check all that apply.

Correct Answers:

|  | Choice |
| :--- | :--- |
| A. | $2 x^{2}-3 x+10=2 x^{2}+21$ |
| *B. | $x^{2}-6 x-7=2 x$ |
| *C. | $5 x^{2}-3 x+10=2 x^{2}$ |
| D. | $5 x^{3}+2 x-4=2 x^{2}$ |

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Preview

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


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


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answers are: $x^{2}-6 x-7=2 x$ and <br> $5 x^{2}-3 x+10=2 x^{2}$. |

Question 2b of 15 ( 2 Using The Quadratic Formula to Solve Quadratic Equations 297700 )

## Maximum Attempts: <br> 1

Question Type:
Maximum Score:
Question:
2

Multiple Response

After being rearranged and simplified, which of the following equations could be solved using the quadratic formula?

Check all that apply.

## Correct Answers:

|  | Choice |
| :--- | :--- |
| *A. | $2 x^{2}-3 x+10=2 x+21$ |
| B. | $2 x^{2}-6 x-7=2 x^{2}$ |
| C. | $5 x^{3}-3 x+10=2 x^{2}$ |
| *D. | $5 x^{2}+2 x-4=2 x^{2}$ |


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


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


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answers are: $: 2 x^{2}-3 x+10=2 x+$ <br> 21 and $5 x^{2}+2 x-4=2 x^{2}$. |

Question 2c of 15 ( 2 Using The Quadratic Formula to Solve Quadratic Equations 297701)

Maximum Attempts:
Question Type:
Maximum Score:
Question:

1
Multiple Response
2
After being rearranged and simplified, which of the following equations could be solved using the quadratic formula?

Check all that apply.

Correct Answers:

|  | Choice |
| :--- | :--- |
| *A. | $5 x^{2}-3 x+10=2 x^{2}+21$ |
| *B. | $x^{2}-6 x-7=2$ |
| C. | $5 x^{2}-3 x+10=5 x^{2}$ |
| D. | $5 x^{3}+2 x-4=2 x^{2}$ |


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

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Preview

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


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answers are: $5 x^{2}-3 x+10=2 x^{2}+$ <br> 21 and $x^{2}-6 x-7=2$. |

Question 3a of 15 ( 3 Using The Quadratic Formula to Solve Quadratic Equations 91332 ) 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.

$$
3 x^{2}-5 x+1=0
$$

## Correct Answers:

|  | Choice |
| :---: | :---: |
| *A. | $x=b \quad \sqrt{\sqrt{x}=}$ |
| *B. | $x=\frac{5+\sqrt{3}}{6}$ |
| C. | $x=\Gamma_{i}^{\prime}$ |
| D. | $x=\frac{-2-\sqrt{2}}{2}$ |
| E. | $x=-4 \cdot 7$ |
| F. | $x=\frac{j+\sqrt{3 i}}{b}$ |


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


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


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

# This version of Total HTML Converter is unregistered. 

Preview
Question 3b of 15 ( 3 Using The Quadratic Formula to Solve Quadratic Equations 297702 )

Maximum Attempts:
Question Type:
Maximum Score:
Question:

## Multiple Response

2
Which of the following are solutions to the equation below?
Check all that apply.

$$
2 x^{2}-5 x+1=0
$$

## Correct Answers:

|  | Choice |
| :---: | :---: |
| *A. | $x=\frac{5-\sqrt{7}}{d}$ |
| *B. | $x=\frac{\Gamma_{1}+\sqrt{17}}{i}$ |
| C. | $x=-{ }^{-1}+\sqrt{7}$ |
| D. | $x=-\overline{r_{1}}-\sqrt{\sqrt{7}}$ |
| E. | $x=\frac{\pi}{2}$ |
| F. | $x=\frac{\sqrt{1}-\sqrt{\sqrt{7}}}{i}$ |


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


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


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answers are: $x=\frac{\vdots}{L}$ and $x=$ |
|  | $\frac{\sqrt{\prime}}{\vdots}$. |

Question 3c of 15 ( 3 Using The Quadratic Formula to Solve Quadratic Equations 297703 )

Maximum Attempts: 1
Question Type:
Maximum Score:
Question:
1

2

Multiple Response

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

## Correct Answers:

This version of Total HTML Converter is unregistered.
Preview

|  | Choice |
| :---: | :---: |
| * A. | $x=\frac{2 v^{2}}{?}$ |
| *B. | $x=3 \cdot v$ |
| C. | $x=\frac{-7+\sqrt{5}}{2}$ |
| D. | $x=\frac{-5-\sqrt{5}}{7}$ |
| E. | $x=\frac{v^{i n}}{-}$ |
| F. | $x=\frac{-7+\sqrt{17}}{2}$ |



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


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answers are: $x=\cdots$ |
|  |  |
|  |  |

Question 4a of 15 ( 3 Using The Quadratic Formula to Solve Quadratic Equations 91333)

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.

$$
2 x^{2}+3 x-5=0
$$

## Correct Answers:

|  | Choice |
| :--- | :--- |
| A. | $x=$ |
| *B. | $x=1$ |
| C. | $x=-1$ |
| D. | $x=$ |
| *E. | $x=-$ |
| F. | $x=$ |


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

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Preview

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


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answers are: $x=1$ and $x=-$. |

Question 4b of 15 ( 3 Using The Quadratic Formula to Solve Quadratic Equations 297704 )

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.

$$
5 x^{2}+2 x-3=0
$$

## Correct Answers:

|  | Choice |
| :---: | :---: |
| * A. | $x=\frac{3}{5}$ |
| B. | $x=1$ |
| * C. | $x=-1$ |
| D. | $x=\frac{. \quad \therefore 1}{\lambda}$ |
| E. | $x=\frac{-\sqrt{91}}{2}$ |
| F. | $x=\stackrel{a}{\square}$ |


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


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


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answers are: $x=\quad$ and $x=-1$. |

Question 4c of 15 ( 3 Using The Quadratic Formula to Solve Quadratic Equations 297705)

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.

$$
3 x^{2}+7 x+4=0
$$

## Correct Answers:

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Preview


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


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answers are: $x=-1$ and $x=-4$. |

Question 5a of 15 ( 3 Using The Quadratic Formula to Solve Quadratic Equations 91334)

Maximum Attempts:
Question Type:
Maximum Score:
Question:

Multiple Response
2
Which of the following are solutions to the equation below?
Check all that apply.
$x^{2}-3 x-4=0$

## Correct Answers:

|  | Choice |
| :--- | :--- |
| A. | $x=\frac{=-\sqrt{-7}}{2}$ |
| B. | $x=-4$ |
| C. | $x=$ |
| *D. | $x=4$ |
| E. | $x=$ |
| *F. | $x=-1$ |


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


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


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answers are: $x=4$ and $x=-1$. |

# This version of Total HTML Converter is unregistered. 

Preview
Question 5b of 15 ( 3 Using The Quadratic Formula to Solve Quadratic Equations 297706 )

Maximum Attempts:
Question Type:
Maximum Score:
Question:

Multiple Response
2
Which of the following are solutions to the equation below?
Check all that apply.
$x^{2}+3 x-4=0$

## Correct Answers:

|  | Choice |
| :--- | :--- |
| A. | $x=\frac{-子}{?}$ |
| *B. | $x=-4$ |
| C. | $x=\frac{\sqrt{i}}{?}$ |
| D. | $x=4$ |
| *E. | $x=1$ |
| F. | $x=-1$ |


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


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


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answers are: $x=-4$ and $x=1$. |

Question 5c of 15 ( 3 Using The Quadratic Formula to Solve Quadratic Equations 297707 )

Maximum Attempts:
Question Type:
Maximum Score:
Question:

Multiple Response
2
Which of the following are solutions to the equation below?
Check all that apply.
$x^{2}-4 x+3=0$

## Correct Answers:

|  | Choice |
| :--- | :--- |
| A. | $x=2+$ |
| *B. | $x=3$ |
| C. | $x=2$ - |
| D. | $x=-3$ |
| *E. | $x=1$ |
| F. | $x=-2+$ |


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


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

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Preview

|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answers are: $x=3$ and $x=1$. |

Question 6a of 15 ( 3 Using The Quadratic Formula to Solve Quadratic Equations 91335 )

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.
$x^{2}-5 x+1=0$

## Correct Answers:

|  | Choice |
| :---: | :---: |
| A. | $x=\frac{5+\sqrt{25}}{2}$ |
| B. | $x=1 \quad \sqrt{9}$ |
| *C. | $x=\frac{\partial+\sqrt{2}}{\underline{1}}$ |
| D. | $x=\frac{-1+21}{2}$ |
| *E. | $x=\frac{2-\sqrt{2}}{2}$ |
| F. | $x=\frac{5-\sqrt{2-}}{1}$ |


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


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


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

Question 6b of 15 ( 3 Using The Quadratic Formula to Solve Quadratic Equations 297708)

Maximum Attempts:
Question Type:
Maximum Score:
Question:

Multiple Response
2
Which of the following are solutions to the equation below?
Check all that apply.

$$
x^{2}-5 x-1=0
$$

## Correct Answers:

Preview

|  | Choice |
| :---: | :---: |
| *A. | $x=5, \sqrt{73}$ |
| B. | $x=\frac{-1-\sqrt{21}}{2}$ |
| C. | $x=\frac{\Gamma+\frac{i}{i}}{2}$ |
| D. | $x=\frac{-1-\sqrt{-1}}{?}$ |
| E. | $x=\frac{5-\sqrt{2}}{2}$ |
| *F. | $x=5 \quad \sqrt{3}$ |


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


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


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

Question 6c of 15 ( 3 Using The Quadratic Formula to Solve Quadratic Equations 297709)

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.
$x^{2}+x-5=0$

Correct Answers:

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

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Preview

| Attempt | Incorrect Feedback |
| :---: | :---: |
| 1st |  |
|  | Correct Feedback |
|  |  |
|  | Global Incorrect Feedback |
|  | The correct answers are: $x=\frac{--\sqrt{21}}{-}$ and $x=$ $1 \sqrt{\sqrt{5}}$. |

Question 7a of 15 ( 3 Using The Quadratic Formula to Solve Quadratic Equations 91336)

Maximum Attempts: Question Type: Maximum Score: Question:

Multiple Response
2
Which of the following are solutions to the equation below?
Check all that apply.
$4 x^{2}+3 x+2=0$

Correct Answers:

|  | Choice |
| :--- | :--- |
| *A. | $x=\frac{3+y}{8}$ |
| B. | $x=3$ |
| *C. | $x=3$ |
| D. | $x=\frac{-3-2}{2}$ |
| E. | $x=\frac{3}{2}$ |
| F. | $x=$ |


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


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


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

Question 7b of 15 ( 3 Using The Quadratic Formula to Solve Quadratic Equations 297710 )

Maximum Attempts:
Question Type:
Maximum Score:
Question:

## Multiple Response

2
Which of the following are solutions to the equation below?
Check all that apply.

$$
5 x^{2}+3 x+2=0
$$

## Correct Answers:

|  | Choice |
| :---: | :---: |
| *A. | $x=\frac{-7+\sqrt{1-7}}{1-}$ |
| B. | $x=\frac{-7-\sqrt{1}}{61}$ |
| *C. | $x=\frac{-7-\sqrt{-7}}{1-}$ |
| D. | $x=?$ |
| E. | $x=-1$ |
| F. | $x=\frac{-2 \cdot 2}{0}$ |


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


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


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answers are: $x=\frac{\vdots \sqrt{2} 31}{10}$ and $x$ |
| $=\frac{\ddots z}{10}$. |  |

Question 7 c of 15 ( 3 Using The Quadratic Formula to Solve Quadratic Equations 297711)

Maximum Attempts: 1
Question Type:
Maximum Score:
Question:
1

2

Multiple Response

Which of the following are solutions to the equation below?
Check all that apply.
$4 x^{2}+3 x+3=0$

## Correct Answers:

# This version of Total HTML Converter is unregistered. 

Preview


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


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answers are: $x=\frac{-\sqrt{-x}}{8}$ and $x$ |
|  | $\frac{-\sqrt{-3}}{2}$. |

Question 8a of 15 ( 3 Using The Quadratic Formula to Solve Quadratic Equations 91337 )

Maximum Attempts:
Question Type:
Maximum Score:
Question:

Multiple Response
2
Which of the following are solutions to the equation below?
Check all that apply.
$2 x^{2}-x+5=0$

## Correct Answers:

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

# This version of Total HTML Converter is unregistered. 

Preview

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


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


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answers are: |
|  | $x=+4$ and $x=$ |

Question 8b of 15 ( 3 Using The Quadratic Formula to Solve Quadratic Equations 297712 )

Maximum Attempts: Question Type: Maximum Score: Question:

Multiple Response
2
Which of the following are solutions to the equation below?
Check all that apply.
$3 x^{2}-x+5=0$

## Correct Answers:

|  | Choice |
| :---: | :---: |
| A. | $x=\sqrt{7}$ |
| *B. | $x=\frac{\sqrt{-59}}{3}$ |
| C. | $x=\frac{-\sqrt{\sqrt{7}}}{\hbar}$ |
| D. | $x=\cdot \quad{ }^{\mathrm{f}} \mathrm{~B}_{\mathrm{B}}$ |
| E. | $x=z^{6}$ |
| *F. | $x=-\sqrt{-\pi 9}$ |


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


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


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

# This version of Total HTML Converter is unregistered. 

Preview
Question 8c of 15 ( 3 Using The Quadratic Formula to Solve Quadratic Equations 297713 )

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.
$4 x^{2}-x+5=0$

## Correct Answers:

|  | Choice |
| :---: | :---: |
| A. | $x=\frac{-\sqrt{3}}{b}$ |
| *B. | $x=\frac{+\sqrt{-\sqrt{9}}}{z}$ |
| C. | $x=\frac{\sqrt{3}}{b}$ |
| D. | $x=\frac{-\sqrt{81}}{t}$ |
| E. | $x=\frac{v^{2}=1}{t}$ |
| *F. | $x=\frac{-\sqrt{i}}{z}$ |


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


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


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answers are: $x=\frac{1+ध}{8}$ and $x=$ |
|  | 1 |
|  | $\ddots$ |

Question 9a of 15 ( 1 Using The Quadratic Formula to Solve Quadratic Equations 121087) Maximum Attempts: 1

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

Text Fill In Blank
2
false
imaginary
The square root of a negative value is called an $\qquad$ or complex number.

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


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


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

# This version of Total HTML Converter is unregistered. 

Preview
Question 9b of 15 ( 1 Using The Quadratic Formula to Solve Quadratic Equations 297714 )

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

The square root of a negative value is called an imaginary or $\qquad$ number.

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


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

Question 9c of 15 ( 1 Using The Quadratic Formula to Solve Quadratic Equations 297715)

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

Text Fill In Blank
false
negative, negativ
The square root of a $\qquad$ value is called an imaginary or complex number.

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


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

Question 10 af 15 ( 1 Using The Quadratic Formula to Solve Quadratic Equations 121088 )

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

1
Text Fill In Blank
2
false
discriminant, discriminent
The $\qquad$ is the name of the number under the radical symbol in the quadratic formula.

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


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


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

Question $10 b$ of 15 ( 1 Using The Quadratic Formula to Solve Quadratic Equations 297716 )

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

The ___ is the name of the number under the radical symbol in the quadratic formula.

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


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


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

Question 10c of 15 ( 1 Using The Quadratic Formula to Solve Quadratic Equations 297717)

## Maximum Attempts: <br> 1

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

2
false
discriminant, discriminent

The ___ is the name of the number under the radical symbol in the quadratic formula.

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


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


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

[^0]
# This version of Total HTML Converter is unregistered. 

Preview
Question 11b of 15 ( 1 Using The Quadratic Formula to Solve Quadratic Equations 297718 )
Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score:
Is Case Sensitive:
Correct Answer:
Question:

```
Text Fill In Blank
```

2
false
subtract

If the right-hand side of a quadratic equation does not equal zero, you need to ___ the number or expression on the right-hand side from both sides before you can use the quadratic formula.

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


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


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

Question 11 c of 15 ( 1 Using The Quadratic Formula to Solve Quadratic Equations 297719) Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive: false
Correct Answer: subtract
Question:
If the right-hand side of a quadratic equation does not equal zero, you need to ___ the number or expression on the right-hand side from both sides before you can use the quadratic formula.

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


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


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

Question 12 of 15 ( 1 Using The Quadratic Formula to Solve Quadratic Equations 121090 )

Maximum Attempts: 1
Question Type:
Maximum Score:
Correct Answer:
Question:
2
2

Numeric Fill In Blank

The quadratic formula cannot be used to solve an equation if a term in the equation has a degree higher than $\qquad$ -

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


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


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answer is: 2. |

Question 12b of 15 ( 1 Using The Quadratic Formula to Solve Quadratic Equations 297720 )

Maximum Attempts: 1
Question Type: Numeric Fill In Blank
Maximum Score: 2
Correct Answer: 2
Question: The quadratic formula cannot be used to solve an equation if a term in the equation has a degree higher than $\qquad$ -.

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


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


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answer is: 2. |

Question 12c of 15 ( 1 Using The Quadratic Formula to Solve Quadratic Equations 297721) Maximum Attempts: 1 Question Type: Numeric Fill In Blank
Maximum Score: 2
Correct Answer: 2
Question:
The quadratic formula cannot be used to solve an equation if a term in the equation has a degree higher than $\qquad$ -

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


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


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answer is: 2. |

Question 13a of 15 ( 1 Using The Quadratic Formula to Solve Quadratic Equations 121091 )

## Maximum Attempts: 1

Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive: false
Correct Answer:
Question:
real
You can determine by the discriminant whether the solutions to the equation are $\qquad$ or complex numbers.

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


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


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

# This version of Total HTML Converter is unregistered. 

Preview
Question 13b of 15 ( 1 Using The Quadratic Formula to Solve Quadratic Equations 297722 )
Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score:
Is Case Sensitive:
Correct Answer:
Question:
2
false
complex, imaginary, imaginiery
You can determine by the discriminant whether the solutions to the equation are real or $\qquad$ numbers.

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


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


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

Question 13c of 15 ( 1 Using The Quadratic Formula to Solve Quadratic Equations 297723 )
Maximum Attempts: 1
Question Type: Text Fill In Blank
Maximum Score: 2
Is Case Sensitive: false
Correct Answer:
Question:

| are ___ or complex numbers. |  |
| :--- | :--- |
| Attempt | Incorrect Feedback |
| 1st |  |


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


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

[^1]This version of Total HTML Converter is unregistered.
Preview

|  | Choice | Feedback |
| :---: | :---: | :---: |
| A. | $\begin{aligned} & x=\sqrt[3]{3} \text { and } x= \\ & x-\sqrt{-2} \end{aligned}$ |  |
| B. | $x=2$ and $x=1$ |  |
| *C. | $\begin{aligned} & x=1+\sqrt{7} \text { and } x \\ & =\frac{-1-\sqrt{-7}}{-} \end{aligned}$ |  |
| D. | $x=8$ and $x=4$ |  |

Global Incorrect Feedback
The correct answer is:
$x=\frac{-1-\sqrt{-i}}{\underline{-}}$ and $x=\frac{-y^{\prime}-\sqrt{-i}}{-}$.

Question 14 b of 15 ( 3 Using The Quadratic Formula to Solve Quadratic Equations 297724 )

Maximum Attempts:
Question Type:
Maximum Score:
Question:

1
Multiple Choice
2
Check the solutions to the equation below.
$x^{2}+x+1$

|  | Choice | Feedback |
| :---: | :---: | :---: |
| *A. | $\begin{aligned} & x=\frac{1+v^{\prime}=}{\bar{y}} \text { and } x \\ & =\frac{1 v^{\prime}=}{\bar{y}} \end{aligned}$ |  |
| B. | $x=2$ and $x=1$ |  |
| C. | $\begin{aligned} & x=\frac{-1+\sqrt{-7}}{-} \text { and } x \\ & =1, \sqrt{7} \end{aligned}$ |  |
| D. | $x=8$ and $x=4$ |  |


| Global Incorrect Feedback |
| :--- | :--- |
| The correct answer is: |
| $x=\quad$ and $x=$ |

Question 14 c of 15 ( 3 Using The Quadratic Formula to Solve Quadratic Equations 297725 )

Maximum Attempts:
Question Type:
Maximum Score:
Question:

1
Multiple Choice
2
Check the solutions to the equation below.

$$
x^{2}+3 x+4
$$

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Preview

|  | Choice | Feedback |
| :---: | :---: | :---: |
| A. | $\begin{aligned} & x=\frac{1 \cdot v^{\prime}=}{5} \text { and } x \\ & =1 v^{\prime} \equiv \end{aligned}$ |  |
| B. | $x=2$ and $x=1$ |  |
|  | $\begin{aligned} & x=\frac{-.3+\sqrt{-7}}{7} \text { and } x \\ & =\frac{-.3-\sqrt{-\overline{-7}}}{7} \end{aligned}$ |  |
| D. | $x=3$ and $x=2$ |  |

Global Incorrect Feedback
The correct answer is:


Question 15a of 15 ( 3 Using The Quadratic Formula to Solve Quadratic Equations 133820

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.
$x^{2}+x+5=0$

## Correct Answers:

|  | Choice |
| :--- | :--- |
| *A. | $x=\cdot$ |
| *B. | $x=19$ |
| C. | $x=5$ |
| D. | $x=1$ |
| E. | $x=$ |
| F. | $x=$ |


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


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


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

Question 15 bf 15 ( 3 Using The Quadratic Formula to Solve Quadratic Equations 297726 )
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.
\(x^{2}+x+3=0\)
```

Correct Answers:

|  | Choice |
| :---: | :---: |
| *A. | $x=\frac{v^{\prime} 11}{?}$ |
| *B. | $x=\frac{e^{-1}}{}$ |
| C. | $x=3$ |
| D. | $x=1$ |
| E. | $x=-\frac{-\sqrt{-1}}{2}$ |
| F. | $x=\frac{-\sqrt{-1.7}}{z}$ |


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


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


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answers are: $x=\frac{1+\psi \cdot \mid}{2}$ and $x=$ |
|  | $\frac{1 \cdot j \cdot 1}{\eta}$. |

Question 15c of 15 ( 3 Using The Quadratic Formula to Solve Quadratic Equations 297727 )

| 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. |
|  | $x^{2}+x+4=0$ |

## Correct Answers:

Preview

|  | Choice |
| :---: | :---: |
| *A. | $x=\frac{v^{\prime} 15}{?}$ |
| *B. | $x=\cdot \sqrt{15}$ |
| C. | $x=4$ |
| D. | $x=1$ |
| E. | $x=\frac{\cdot 1}{\square}$ |
| F. | $x=\frac{\mathrm{v}^{\prime} 1}{?}$ |


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


|  | Global Incorrect Feedback |
| :--- | :--- |
|  | The correct answers are: $x=-1+\sqrt{-5}$ and $x$ |
|  | $=\frac{\sqrt{2}}{?}$. |


[^0]:    Question 11 of 15 ( 1 Using The Quadratic Formula to Solve Quadratic Equations 121089 )

    ## Maximum Attempts:

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

    1
    Text Fill In Blank
    2
    false
    subtract
    If the right-hand side of a quadratic equation does not equal zero, you need to $\qquad$ the number or expression on the right-hand side from both sides before you can use the quadratic formula.

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


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


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

[^1]:    Question 14a of 15 ( 3 Using The Quadratic Formula to Solve Quadratic Equations 121092 )

    ## Maximum Attempts:

    Question Type:
    Maximum Score:
    Question:

    1
    Multiple Choice
    2
    Check the solutions to the equation below.
    $x^{2}+x+2$

