Evaluate.

((-1)2 - 3)3 + 5 · (-5)

Simplify the following expression:



When converting from Fahrenheit degrees to Celsius degrees , a well known formula is used:

. Solve for .

Simplify.



Simplify.



Simplify.



Write your answer without parentheses.

Rewrite the following without an exponent.



Simplify.



Write your answer without using negative exponents.

Simplify.

3w2w-2 · 4v-9v · 2x-8x8

Use only positive exponents in your answer.

Simplify.



Multiply.



Simplify your answer as much as possible.

Multiply.



Simplify your answer.

Rewrite without parentheses and simplify.



Multiply.



Simplify your answer.

Factor

 .

Factor.



Factor.



Factor:



Factor:

 .

Multiply. Write your answer in lowest terms.



Simplify.

21n4/3x4y2  / 7mn2/9x3y

Subtract. Write your answer in lowest terms.



Add and simplify:



Simplify.



Solve for :

 .

Simplify your answer as much as possible.

Solve for  .



Solve the following proportion for  .

|  |  |  |
| --- | --- | --- |
| http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?%3Fal%7B%3Dv%3Flufq%3D21%3F%2Cal%7B%3D | http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?%3E | http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?%3Fal%7B%3D4%3Flufq%3D20%3F%2Cal%7B%3D |

Round your answer to the nearest tenth.

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| Milan runs http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?7miles in http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?03minutes. At the same rate, how many miles would he run in http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?2%3Bminutes? Rewrite the following in simplified radical form. http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?%3Fprqw%3D21u%3Fpvs%3D7%3F%2Cpvs%3D%3F%2Cprqw%3DAssume that all variables represent positive real numbers.Simplify as much as possible. http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?v%3Fprqw%3D0t%3Fpvs%3D6%3F%2Cpvs%3D%3F%2Cprqw%3D%23%2E%23t%3Fpvs%3D1%3F%2Cpvs%3D%3Fprqw%3D7%3Btv%3Fpvs%3D1%3F%2Cpvs%3D%3F%2Cprqw%3DAssume that all variables represent positive real numbers.Simplify. http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?%3Fprqw%3D6%23%7B%3Fpvs%3D6%3F%2Cpvs%3D%23v%3Fpvs%3D0%3F%2Cpvs%3D%3F%2Cprqw%3D%23%3Fprqw%3D13%23%7B%23v%3Fpvs%3D0%3F%2Cpvs%3D%3F%2Cprqw%3DAssume that all variables represent positive real numbers.Rationalize the denominator and simplify. http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?%3Fal%7B%3D%3Fprqw%3D5%3F%2Cprqw%3D%3Flufq%3D%3Fprqw%3D23%3F%2Cprqw%3D%3F%2Cal%7B%3DSolve for http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?z , where http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?zis a real number. http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?%3Fprqw%3Dz%23%28%2314%3F%2Cprqw%3D%23%3E%23%3ASolve for http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?v , where http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?vis a real number. http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?%3Fprqw%3D6v%23%28%237%3F%2Cprqw%3D%23%3E%23%3Fprqw%3D4v%23%28%232%3F%2Cprqw%3DFind the value of http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?%3Fal%7B%3D%3Fqllw%3D0%3Fle%3D57%3F%2Cqllw%3D%3F%2Cal%7B%3D.Write the following in simplified radical form. http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?%3Fal%7B%3D%3Fqllw%3D0%3Fle%3D21%3B%3F%2Cqllw%3D%3F%2Cal%7B%3DSolve for http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?v . http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?v%3Fpvs%3D1%3F%2Cpvs%3D%23%28%237v%23%28%230%23%3E%233Solve the equation http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?%0E%091t%3Fpvs%3D1%3F%2Cpvs%3D%23%28%2321t%23%28%2316%0E%09%3E%23%0E%09%2Bt%23%28%234%2A%3Fpvs%3D1%3F%2Cpvs%3D%0E%09for http://www.phoenix.aleks.com/alekscgi/x/math2htgif.exe/M?t . |

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Solve  , where is a real number.
Simplify your answer as much as possible.

Use the quadratic formula to solve for .



Write in simplified radical form by rationalizing the denominator.



Simplify.



Assume that all variables represent positive real numbers.

Multiply.



Simplify your answer as much as possible.

Simplify as much as possible.



Assume that all variables represent positive real numbers.

Simplify.



Use the quadratic formula to solve for .



Solve for  .



Simplify.



Write your answer without parentheses.

Rewrite the following without an exponent.

