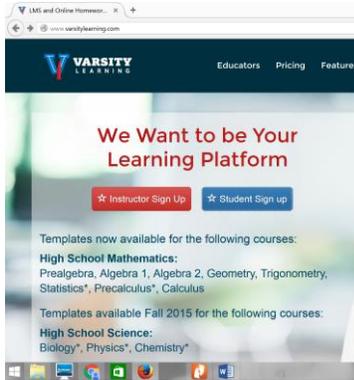
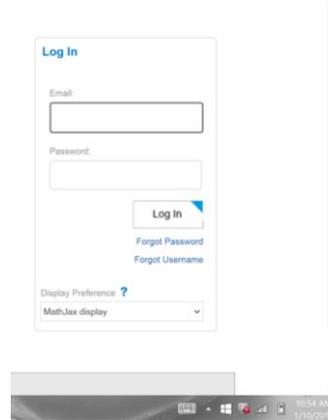


## Accessing Varsity Learning

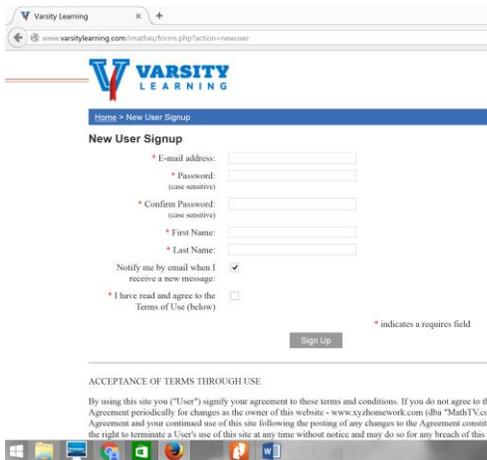
1. <http://www.varsitylearning.com/>
2. Click the blue student sign up button



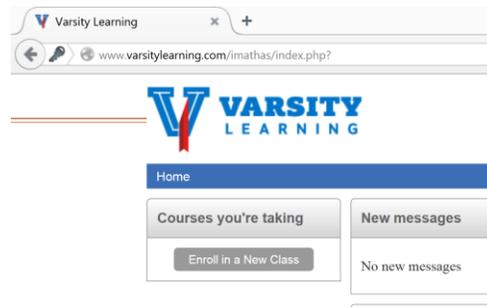
5. Click return to login page and log in with your email and password



3. Enter email/password/confirm password/first name/last name
4. Click the I have read the terms and agreements box then click sign up.



6. Click on enroll in class



7. Type in 4598 and click enroll now

Enter the Course ID # of the course you wish to enroll in (this number is provided by your instructor):

Course ID #:

8. Click on link in top Left Corner #4598  
Geometry

Home

**Courses you're taking**

#4598: Geometry x

Enroll in a New Class

9. Scroll down the section you were asked to complete in class.

5.4 **Right Triangle Trigonometry**

**Cofunction Identities:**

$\cos t = \sin\left(\frac{\pi}{2} - t\right)$	$\sin t = \cos\left(\frac{\pi}{2} - t\right)$
$\tan t = \cot\left(\frac{\pi}{2} - t\right)$	$\cot t = \tan\left(\frac{\pi}{2} - t\right)$
$\sec t = \csc\left(\frac{\pi}{2} - t\right)$	$\csc t = \sec\left(\frac{\pi}{2} - t\right)$

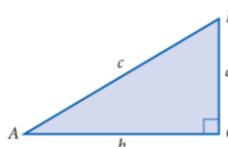
**Video Lessons:** [Finding Trig Functions on Calculator](#) [+]  
[Finding Trig Functions Using a Right Triangle](#) [+]  
[Relate Trig Functions to Sides of a Right Triangle](#) [+]  
[Determine Six Trig Functions from a Triangle](#) [+]  
[Determine Length of Right Triangle Side](#) [+]

10. Click on the pencil next to the section number

5.4 **Right Triangle Trigonometry**

11. Enter answers in the spaces provided.  
You will have 3 attempts

This problem refers to a right triangle  $ABC$  with  $C = 90^\circ$ . Use the given information to find the six trigonometric functions of angle  $A$ .



$b = 20, c = 29$

$\sin A =$   Preview

$\cos A =$   Preview

$\tan A =$   Preview

$\cot A =$   Preview

$\sec A =$   Preview

$\csc A =$   Preview

Points possible: 1  
This is attempt 1 of 3.

12. You can click on preview to see if the answer you typed in looks the way you want it to.

$\sin A =$   Preview  $\frac{21}{29} = 0.7241379310344828$

$\cos A =$   Preview

13. When you are satisfied with your answers you can click submit at the bottom.

$\csc A =$   Preview

Points possible: 1  
This is attempt 1 of 3.

Submit

14. If you answered everything correctly you will see the following at the top of the screen

Score on last attempt: 1 out of 1 (parts: 0.17/0.17, 0.17/0.17, 0.17/0.17, 0.17/0.17, 0.17/0.17, 0.15/0.15)

Score in gradebook: 1 out of 1 (parts: 0.17/0.17, 0.17/0.17, 0.17/0.17, 0.17/0.17, 0.17/0.17, 0.15/0.15)

[Next Question](#)

[Try another similar question](#), reattempt last question below, or select another question.

15. You have choices from here.

- a. If you need more practice, you can click on try another similar question.
- b. If you are ready to move on to the next question click next question.
- c. At any time you can move to any other question by clicking on any of the questions at the left

16. If you get any part of a question wrong, you will see the following screen and have 2 more chances to get it r

Score on last attempt: 0.3 out of 1 (parts: 0/0.17, 0/0.17, 0.17/0.17, 0/0.17, 0/0.17, 0.15/0.15)

Score in gradebook: 0.5 out of 1 (parts: 0.17/0.17, 0.17/0.17, 0.17/0.17, 0/0.17, 0/0.17, 0/0.15)

[Next Question](#)

[Try another similar question](#), reattempt last question below, or select another question.

$\sin A =$   [Preview](#)  
 $\cos A =$   [Preview](#)  
 $\tan A =$   [Preview](#)  
 $\cot A =$   [Preview](#)  
 $\sec A =$   [Preview](#)  
 $\csc A =$   [Preview](#)

Points possible: 1  
 This is attempt 3 of 3.  
 Score on last attempt: (0, 0, 0.17, 0, 0, 0.15), Score in gradebook: (0.17, 0.17, 0.17, 0, 0, 0), Out of: (0.17, 0.17, 0.17, 0.17, 0.17, 0.15)

[Submit](#)

The buttons below that you will use the most are:



Course: Takes you back to the course home page

Gradebook: Check your scores for assignments that you have completed

Log Out: You can log out at any time and come back and finish. Your progress will be saved automatically.

## Entering Math

For some types of questions, you need to enter a mathematical expression. The system follows order of operations, so use grouping symbols as much as necessary.

Here is some help on how to enter expressions:

Symbol	Meaning
* / + -	Multiply, divide, add, subtract
^	Powers. $2^3 = 8$ .
sqrt	Square root. $\text{sqrt}(4) = 2$
( )	Parentheses, for grouping. $(2+6)/2 = 4$ , while $2+6/2 = 5$ .
e, pi	The standard constants
abs	Absolute Value. $\text{abs}(-4) = 4$
sin,cos,tan,sec,csc,cot,sinh,cosh	Standard trig function. Be sure to enter as $\text{sin}(2)$ , not $\text{sin } 2$
arcsin,arccos,arctan,arcsinh,arccosh	Inverse trig functions. Note arcsec, arccsc, and arccot are not defined
$\text{sin}^{-1}$ , $\text{cos}^{-1}$ , $\text{tan}^{-1}$	Alternative entry for inverse trig functions. Use like $\text{sin}^{-1}(0.5)$
ln	Natural Logarithm base e
log	Common Logarithm base 10
!	Factorial
oo	Infinity. Those are two lowercase o's, like the middle of the word "look"

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