

Using the Calculator for the ASNT Computer Based Testing Examinations

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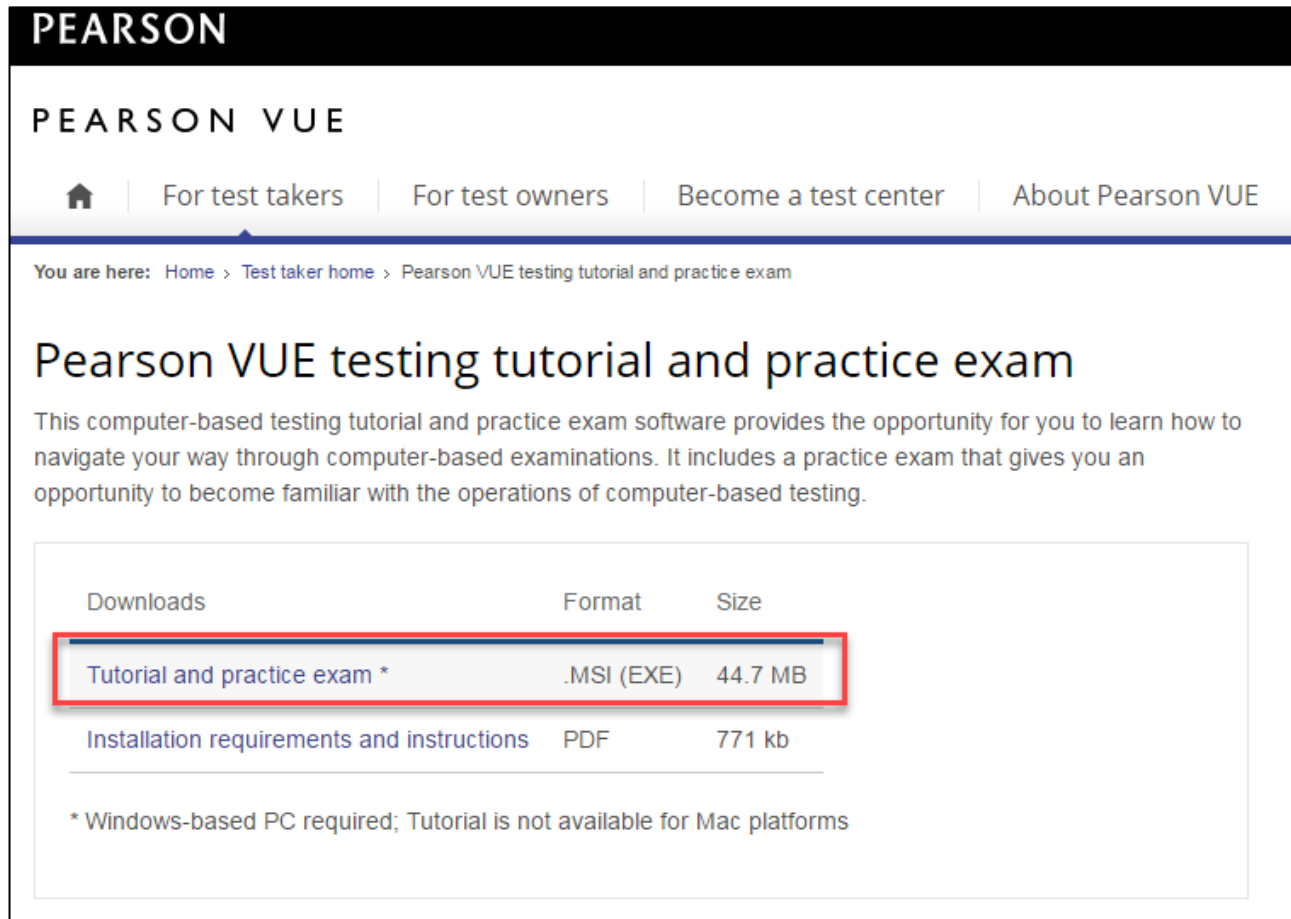
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The Calculator

- The Pearson Vue (PV) system has an interactive guide on what to expect during an examination.
 - Includes the use of a practice (non NDT) exam to get a familiarized with the different screens and settings. Please refer to <http://www.pearsonvue.com/athena/athena.asp>
 - Download the tutorial and practice examination
 - The next slide shows the webpage



Tutorial Web Page



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Pearson VUE testing tutorial and practice exam

This computer-based testing tutorial and practice exam software provides the opportunity for you to learn how to navigate your way through computer-based examinations. It includes a practice exam that gives you an opportunity to become familiar with the operations of computer-based testing.

Downloads	Format	Size
Tutorial and practice exam *	.MSI (EXE)	44.7 MB
Installation requirements and instructions	PDF	771 kb

* Windows-based PC required; Tutorial is not available for Mac platforms



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The Tutorial

- To view and operate the calculator, select the Practice Exam
- Follow the instructions to question 4 which requires the calculator



Pearson VUE Tutorial and Practice Exam

The first part of the tutorial is "About Pearson VUE Exams." This section illustrates all of the functions that you may be asked to use when taking a computer-based test including how to answer questions, change answers, and review questions.

About Pearson VUE exams

The second part of the tutorial is the "Practice Exam". This will give you a hands on opportunity to become familiar with the operations of computer-based examinations.

The content of the questions in the practice exam is not specific to any one program, but it does provide the opportunity to use all of the functions to enter responses, view visuals and exhibits, scroll pages and review items. Examples of each type of function are shown. Not all functions are necessarily used in all "real-life" exams.

Practice Exam

 Exit

!! Note that for the ASNT examination, the calculator is available for each and every question




The Calculator

- To use the calculator, click on the calculator button (shown below) on the upper left of the screen

Pearson VUE Tutorial and Practice Exam - Candidate Name

 Calculator



To use the calculator, click the calculator button  on the upper left corner of the screen. To use the number keypad on your keyboard. To change the calculator mode, you can click on the mode button. To close the calculator, close the calculator by clicking on the X in the top right corner of the calculator window.

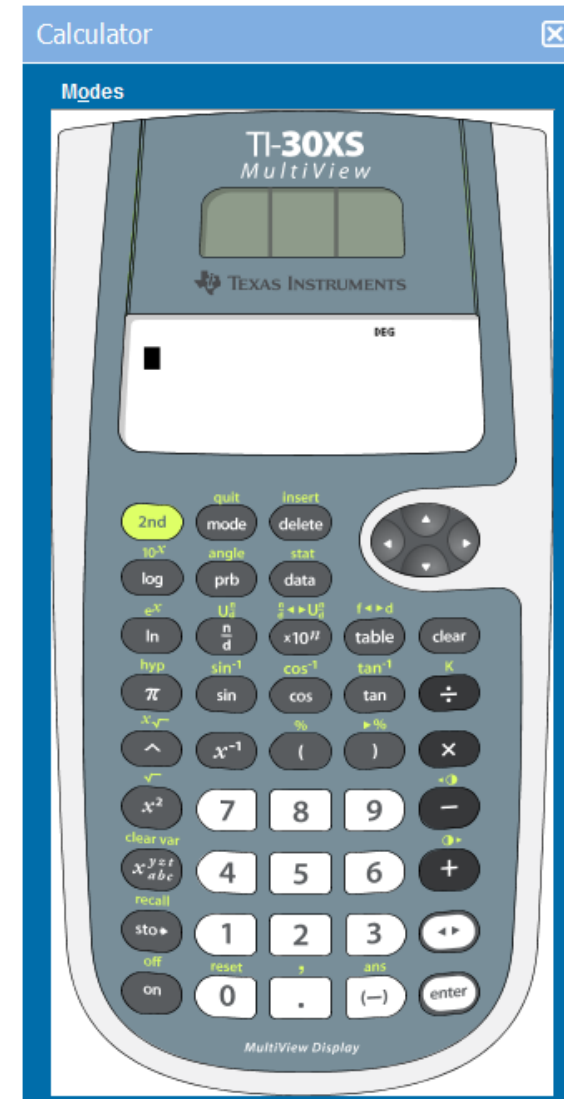
8 (5 + 6) =

cos 40 =




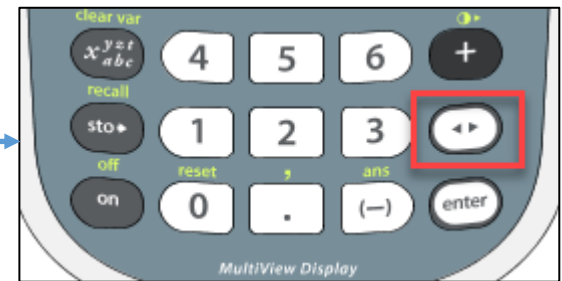
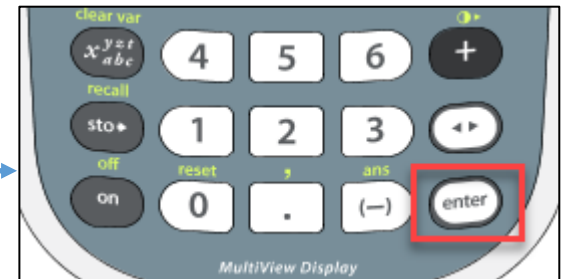
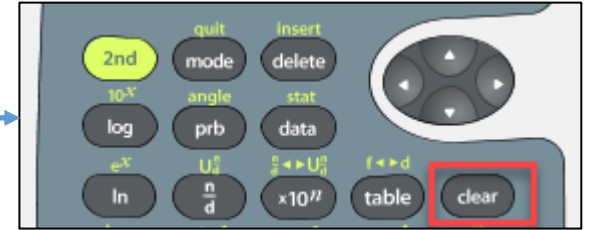
TI-30XS MultiView

- To enter numbers in the calculator
 - Use the mouse to click on the buttons or
 - Use the number keypad on your keyboard.



Some Basics

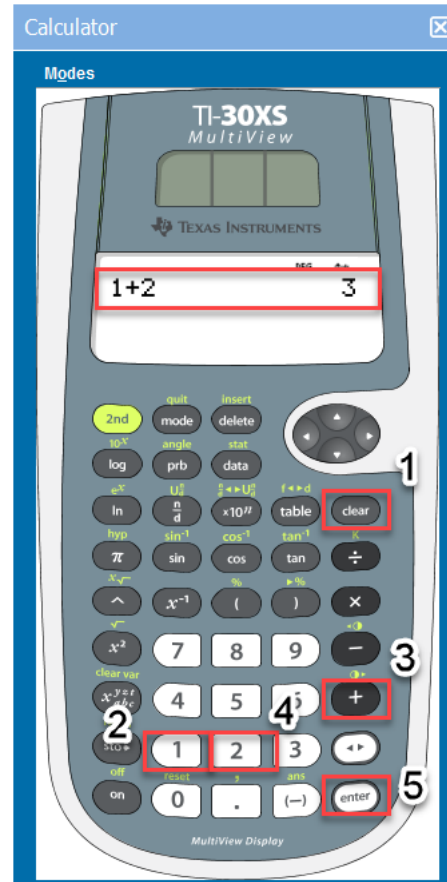
- Clear – Same function as the ‘C’ function on calculator
- Enter – Same function as the ‘=’ function on a calculator
-  - Answer toggle key for the exact decimal answer, when using formulas





Basic Math

- $1 + 2 = 3$
 - Follow steps 1 - 5



- $4 \times 2 = 8$
 - Follow steps 1 - 5

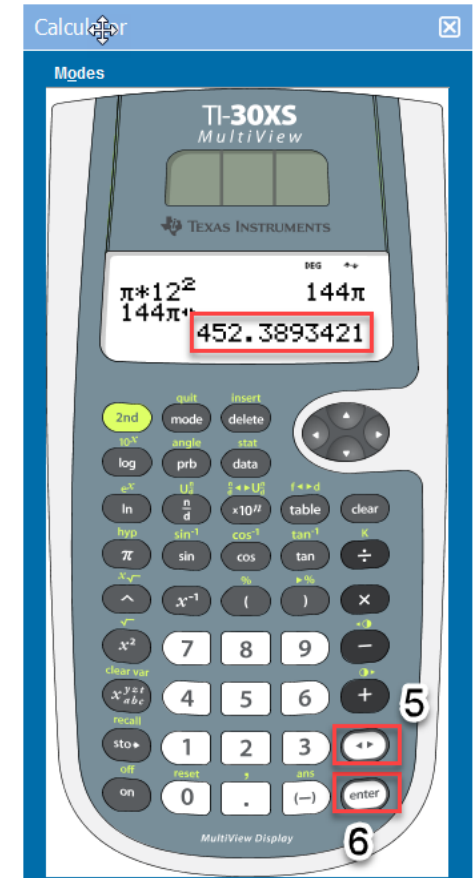
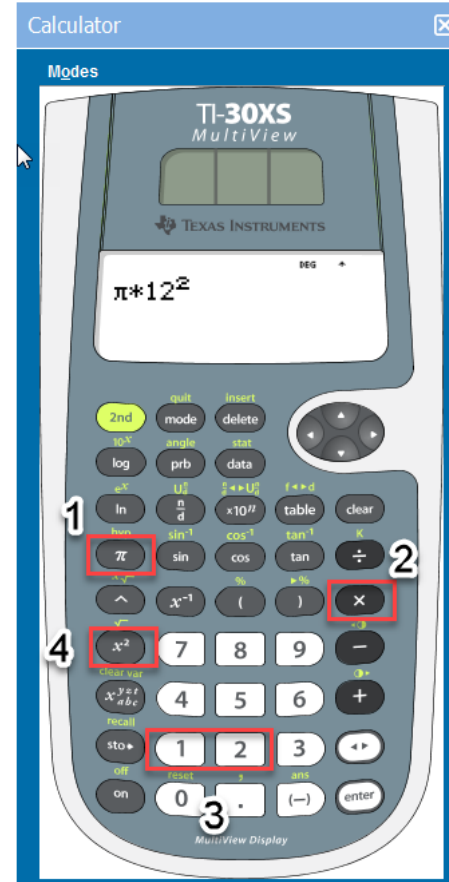




Basic Math (cont'd)

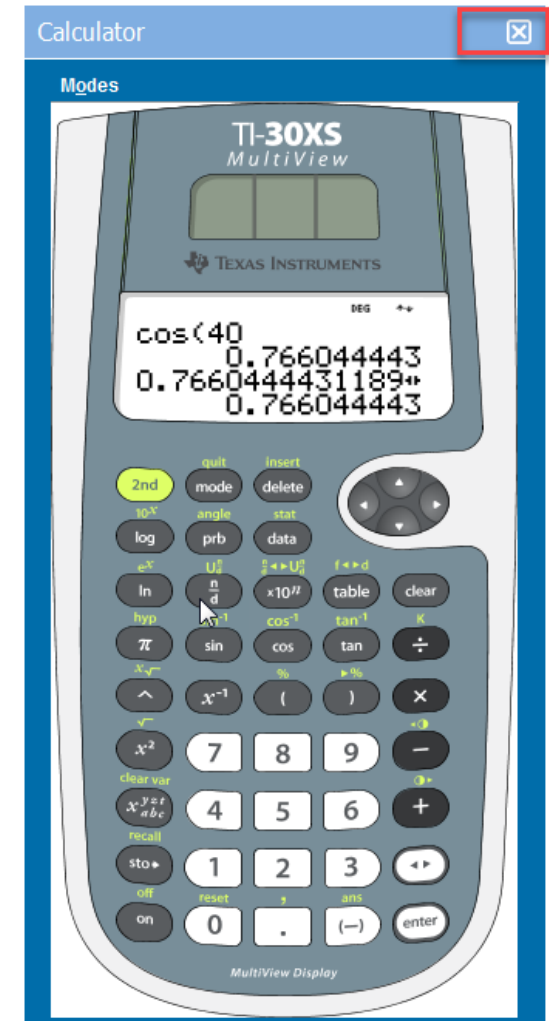
- What is the area of a circle if the radius is 12cm? Reminder:
 $\text{Area} = \pi r^2$

- $A = \pi \times 12^2$
- $A = 3.14159 \times 144$
- Area = 452.389 cm



Important Note

- Clicking the x or close out button will close the calculator and the calculation will be lost
 - During the examination there is not a tab at the bottom of the screen to switch between Exam question and calculator
 - The solution is Alt and Tab



What is Alt and Tab?

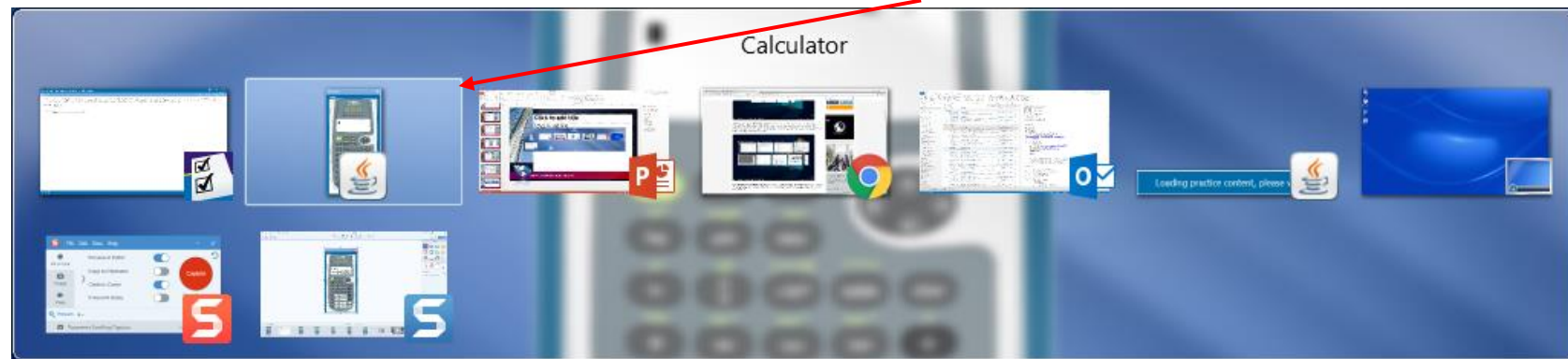


- It is a tool used to switch between the 'windows'
- Press and hold the 'Alt' button followed by pressing the 'Tab' button once. This will bring up all the 'windows' opened on the computer.



Alt-Tab Windows

- Keep pressing the 'Tab' button while holding down the 'Alt' button. Each time you press the tab, the next window is highlighted



- Once you have reached the window needed, release the 'Alt' button and the window will pop up



Other useful information

- Consider buying a TI-30XS Multiview Calculator to practice (\$12-20)
- Obtain an electronic copy of the calculator manual. For example:
 - <http://www.math.wisc.edu/~meyer/math141/TI30XS.pdf>
- Review YouTube demonstration videos. For example:
 - https://www.youtube.com/watch?v=SJ_TwTvoEd4





The American Society for Nondestructive Testing

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