

TI-Nspire



Nearby districts using the Nspires

Pittsford

Byron Bergen

Penfield

Wheatland Chili

Victor

Norman Howard

Allendale Columbia

Holly

Hilton

Geneseo

Spencerport

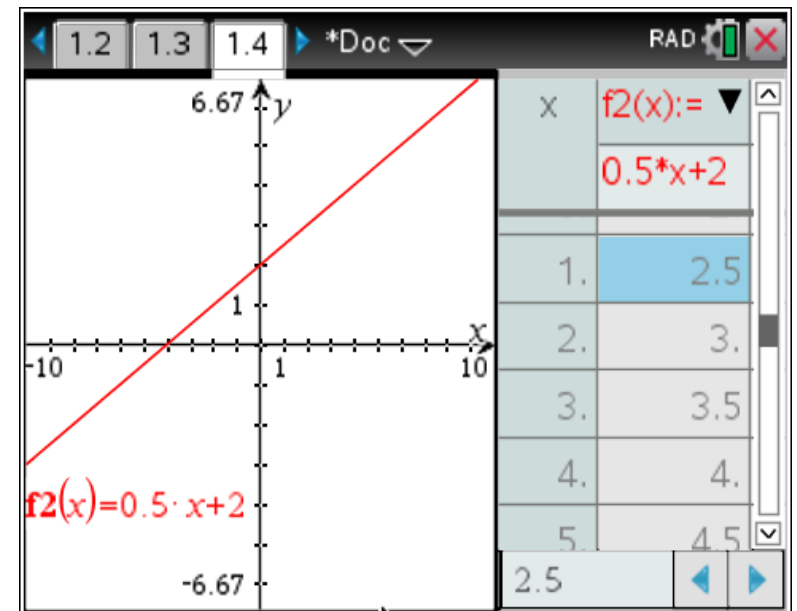
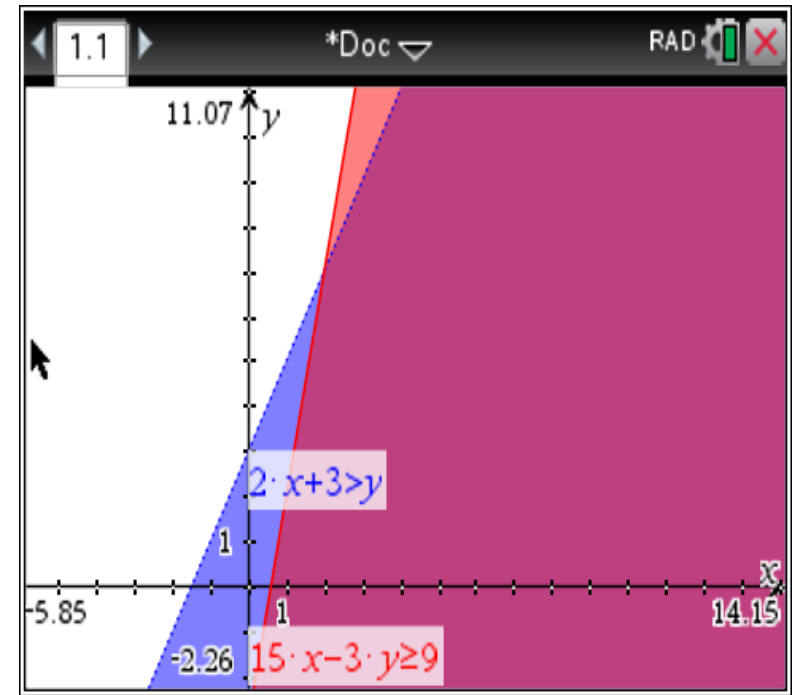
Churchville Chili

Webster

Greece

Benefits in ALL courses

- Free downloadable inquiry-based activities
 - Comes with calculator file, editable student copy and teacher key
- Send exploration activities to student calculators to complete independently
- Students can save and revisit documents
- Easily change the window of a graph, much more user-friendly
- Model a function three ways all on the same screen
 - Equation, graph and table
- Easily graph inequalities and functions
- Provide a quick solution check to equations/systems
- Graph relations (circles, $x=5$, etc.)
- Able to manipulate graphs
- Trace feature automatically detects points of interest

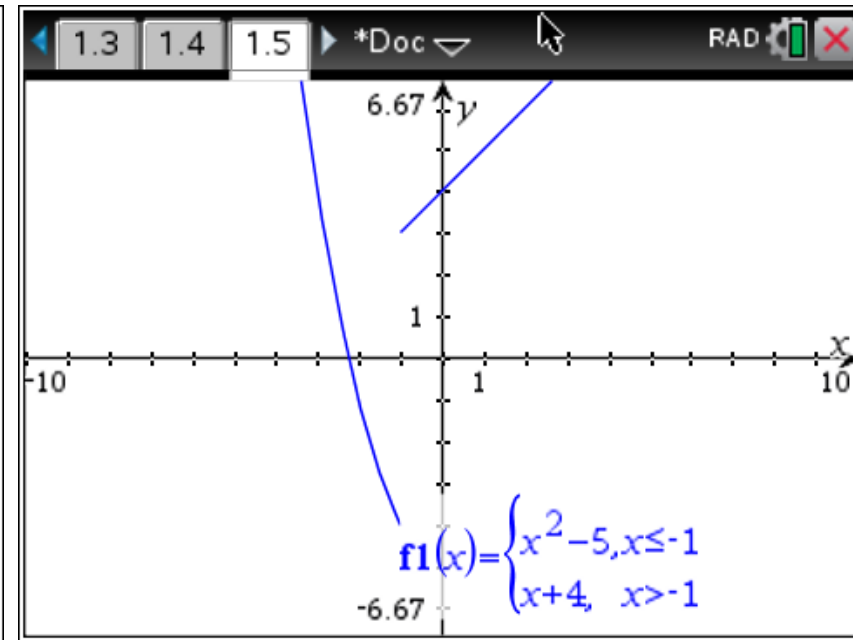


Algebra/Algebra II

- Exploring domain/range
- Graphing piecewise functions easily
- Solving features
- Graphing systems as a relation
- Exploring parameters of a function/transforming functions
- Understands function notation

TI-84 Plus calculator screen showing algebraic solutions:

- 1.1 nSolve($2 \cdot (x-4)+7=3 \cdot x-8,x$) 7.
- nSolve($2^x-5=11,x$) 4.
- linSolve($\begin{cases} 2 \cdot x=y-5 \\ y+3 \cdot x=15 \end{cases}, \{x,y\}$) {2,9}
- polyRoots($2 \cdot x^2+5 \cdot x-4,x$) {-3.13746,0.637459}
- cPolyRoots(x^2+4,x) {-2 \cdot i,2 \cdot i}



TI-84 Plus calculator screen showing a function with parameters:

Graph of $f(x) = a \cdot (x-r) \cdot (x-s)$

Parameters: $a = 1$, $r = 1$, $s = 5$

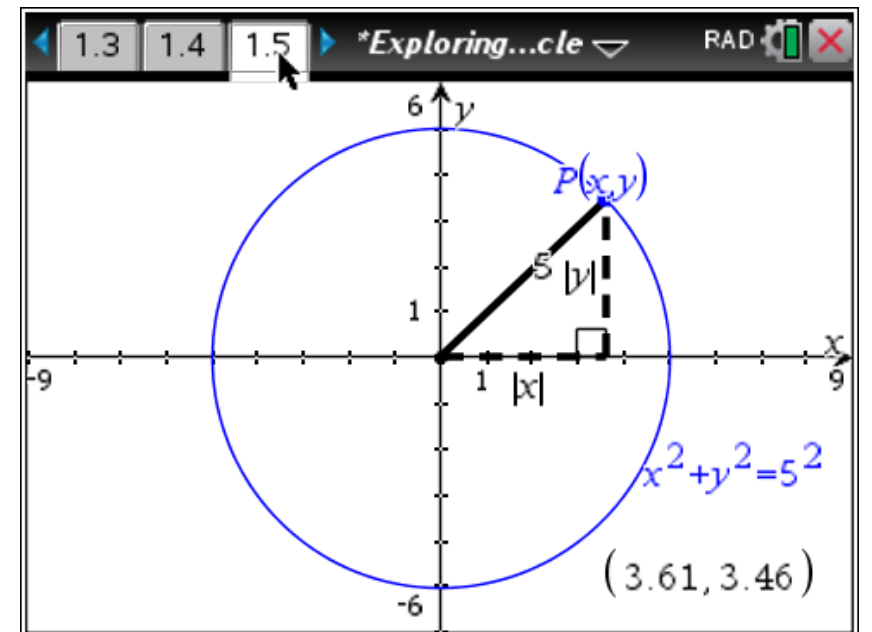
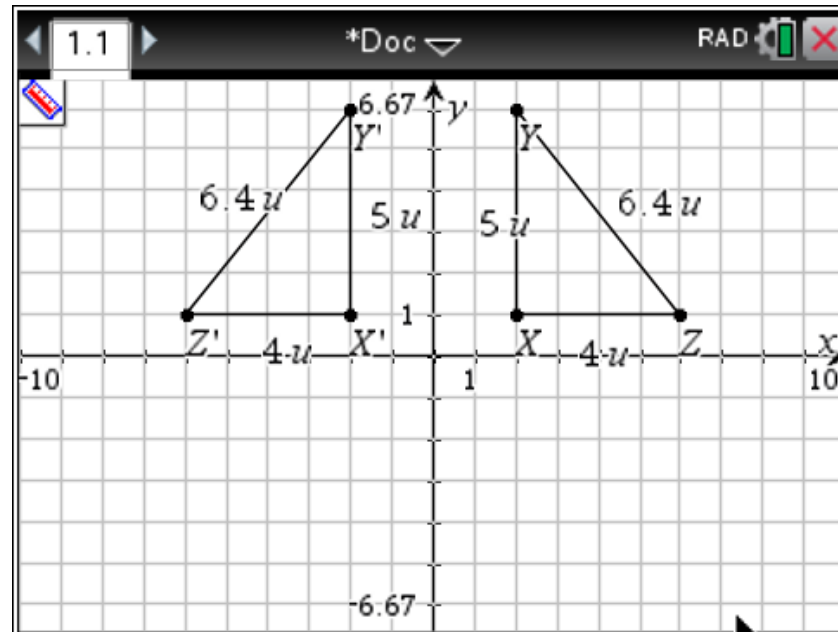
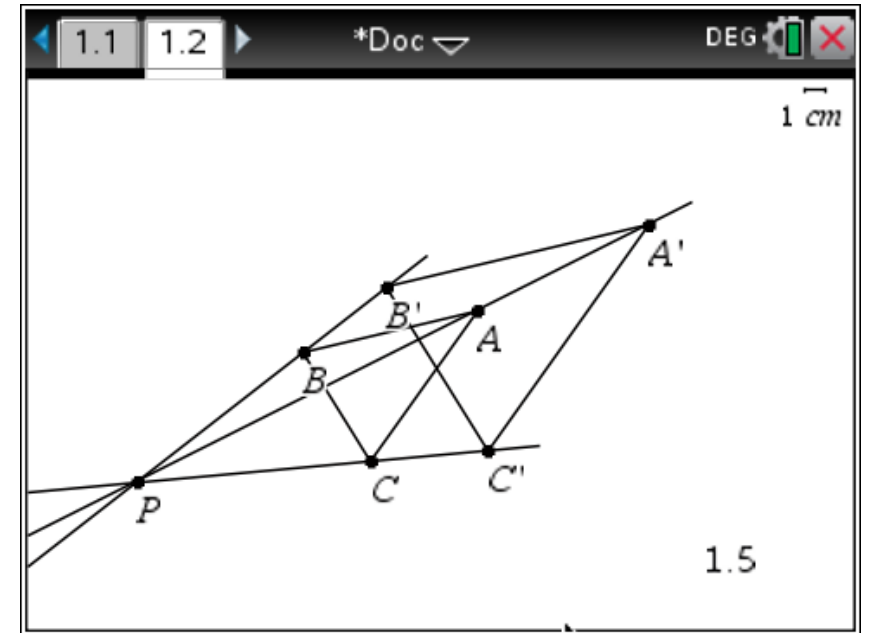
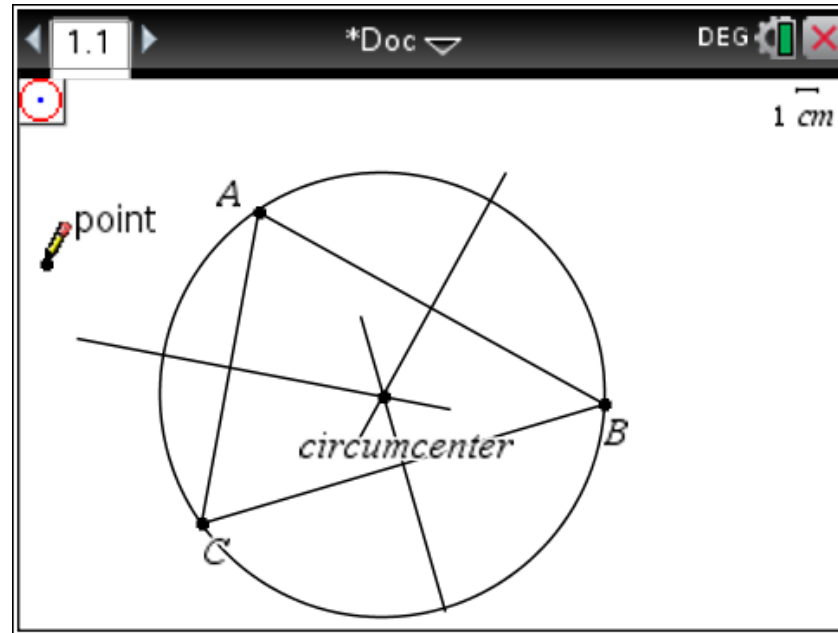
Graphed function: $f(x) = 1(x-1) \cdot (x-5)$

TI-84 Plus calculator screen showing function evaluation and solving:

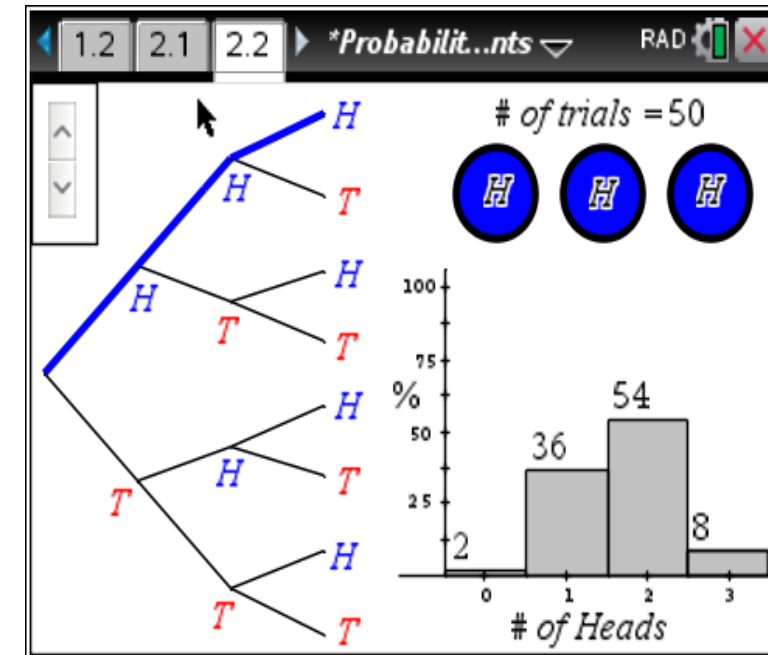
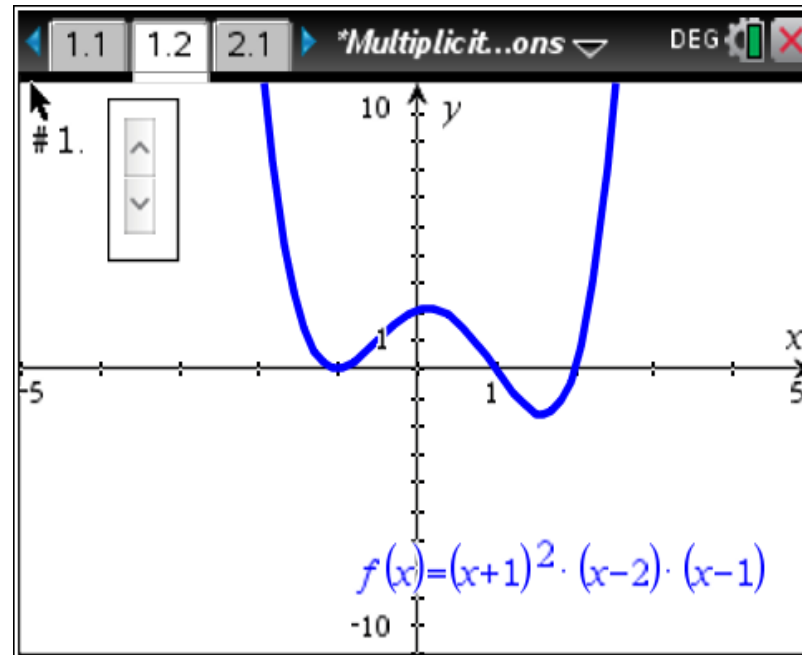
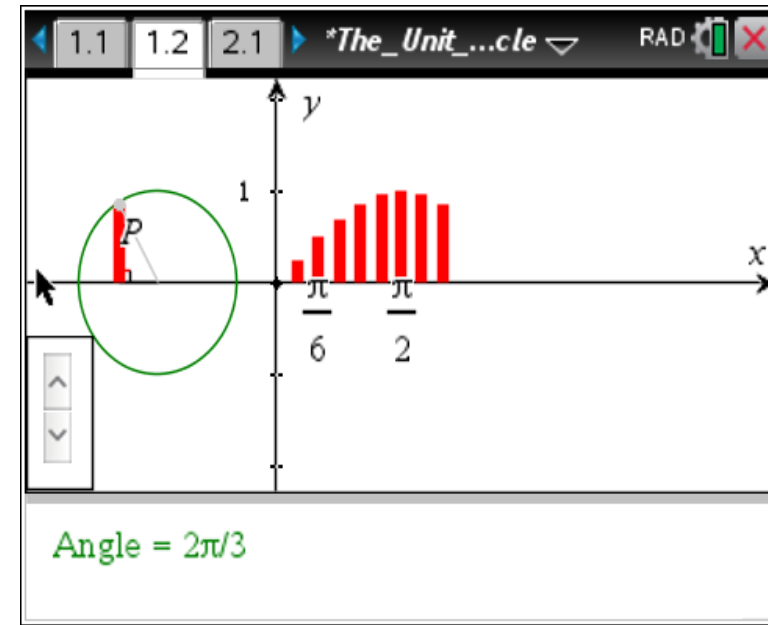
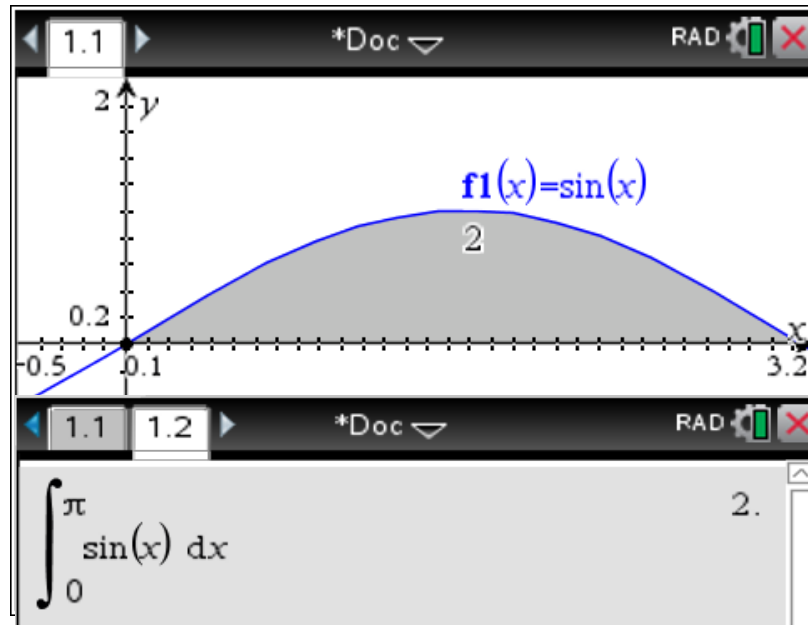
- 1.1 $f(x) := 2 \cdot x + 3$ Done
- $g(x) := x - 6$ Done
- nSolve($f(x)=g(x),x$) -9.
- $f(-4)$ -5

Geometry

- Transformations on and off grid
- Constructions
- Exploring centers or triangles
- Exploring Triangle Similarity and Congruence Theorems
- Calculates Distance, slope, midpoint



Upper Level



Nspire Navigator System



- 1. Screen Capture: Quickly scan every student's handheld screen. See who is on track or if the entire class is grasping a concept**
- 2. Live Presenter: Let students lead. Students can show their work and problem solving steps from anywhere in the class.**
- 3. Quick Poll: Get a quick sense of class progress or in-depth view of individual answers. Save responses to computer and get instant feedback.**
- 4. Collaborative Questions: Assess student understanding at any point in a lesson. Create multiple choice or free response questions.**