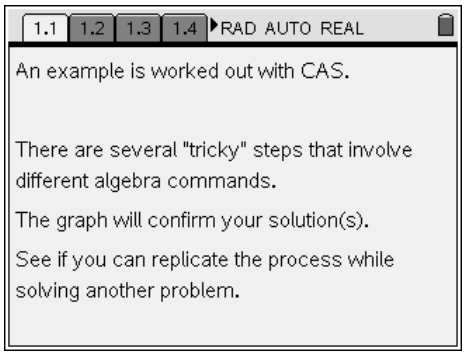
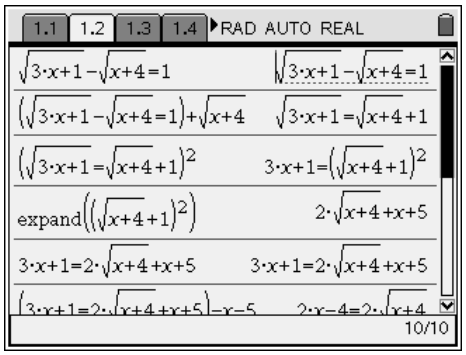
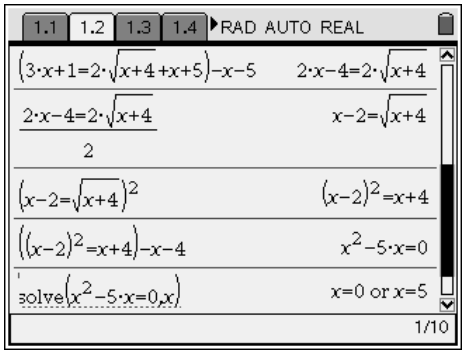
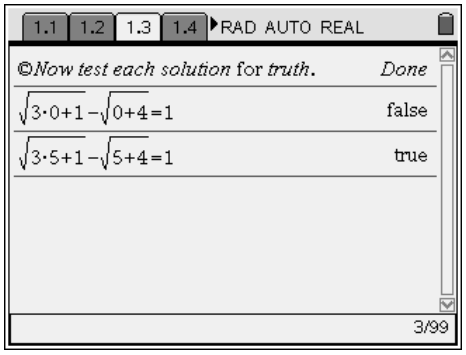
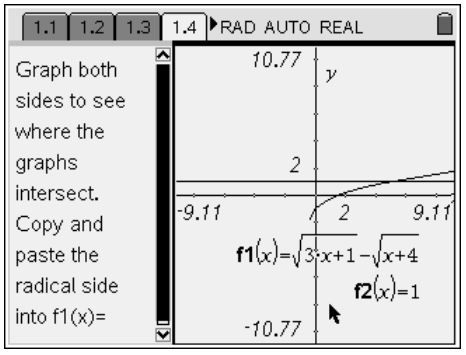
Student Screenshots
Solving equations with two radicals

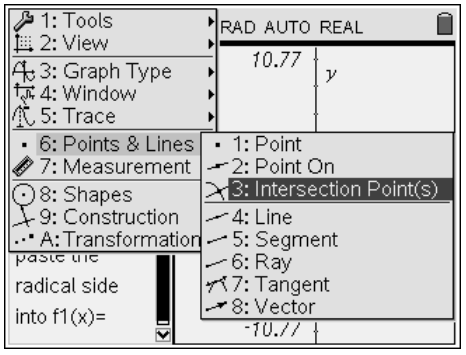


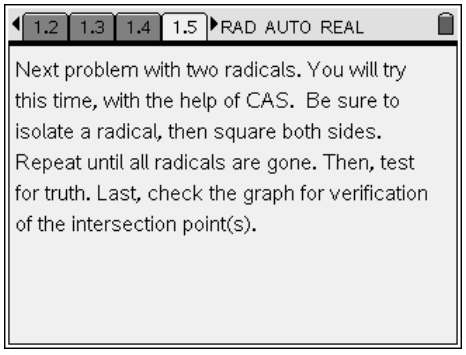


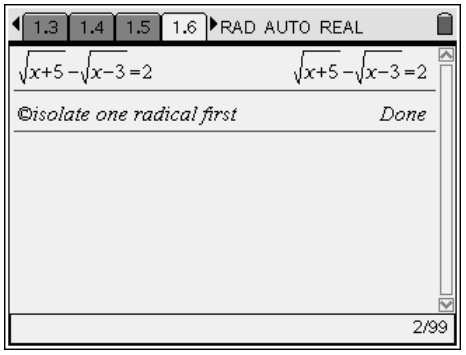


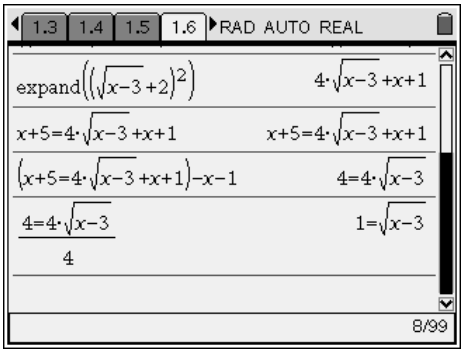


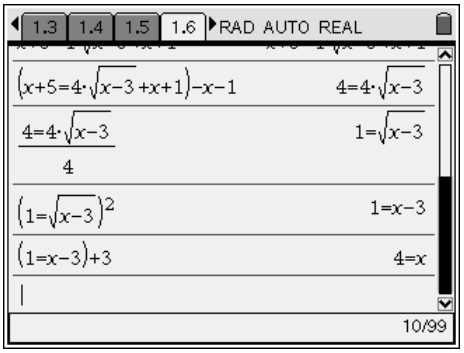


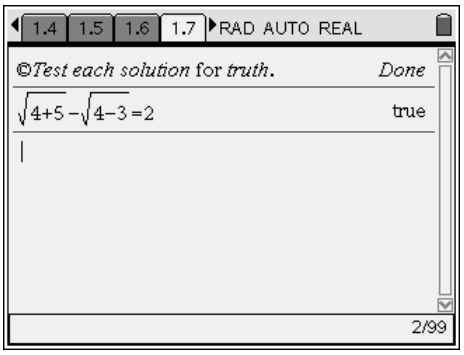


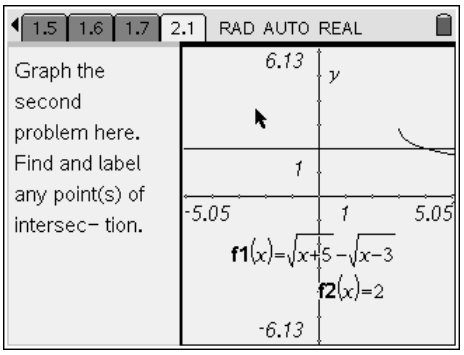


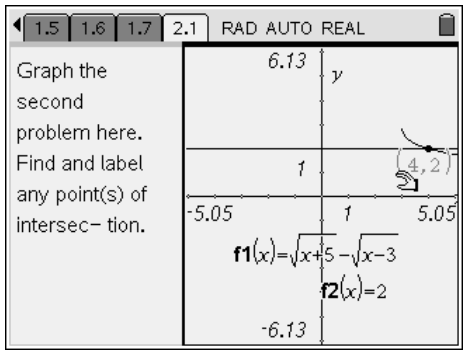



1.3 1.4 1.5 1.6 RAD AUTO REAL
expand((√(x−3)+2)^2) 4·√(x−3)+x+1
x+5=4·√(x−3)+x+1 x+5=4·√(x−3)+x+1
(x+5=4·√(x−3)+x+1)−x−1 4=4·√(x−3)
4=4·√(x−3) / 4 1=√(x−3)
8/99


1.3 1.4 1.5 1.6 RAD AUTO REAL
(x+5=4·√(x−3)+x+1)−x−1 4=4·√(x−3)
4=4·√(x−3) / 4 1=√(x−3)
(1=√(x−3))^2 1=x−3
(1=x−3)+3 4=x
10/99


1.4 1.5 1.6 1.7 RAD AUTO REAL
©Test each solution for truth. Done
√(4+5)−√(4−3)=2 true
2/99


1.5 1.6 1.7 2.1 RAD AUTO REAL
Graph the second problem here. Find and label any point(s) of intersec− tion.
6.13
y
1
-5.05
1
5.05
f1(x)=√(x+5)−√(x−3)
f2(x)=2
-6.13


1.5 1.6 1.7 2.1 RAD AUTO REAL
Graph the second problem here. Find and label any point(s) of intersec− tion.
6.13
y
1
(4,2)
-5.05
1
5.05
f1(x)=√(x+5)−√(x−3)
f2(x)=2
-6.13