

**TECHNOLOGY CORNER**

16. Inverse t on the HP Prime

HP Prime allows you to find critical values *t*\* using the inverse *t* command. As with the inverse Normal command, you have to enter the *area to the left* of the desired critical value. The inverse t command on the HP Prime is STUDENT\_ICDF() and the syntax is STUDENT\_ICDF(*degrees of freedom*, *area to the left*). Let’s use the inverse *t* command to find the critical values in parts (a) and (b) of the example.

* + Press H to go to the Home view
	+ Press D , tap *Probability*, then tap *Inverse* and select *T*
	+ Complete the command STUDENT\_ICDF(11,0.025) and press E.



* + Repeat to enter the command STUDENT\_ICDF(47, 0.05)



Note that the *t* critical values are *t*\* = 2.201 and

*t*\* = 1.678, respectively.