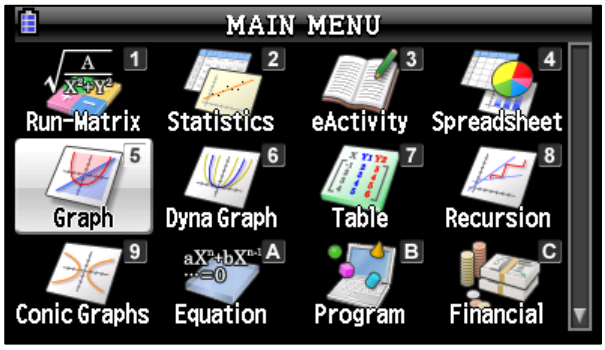
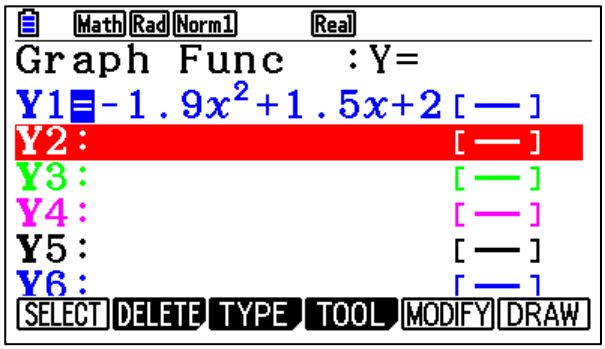
Activity 2 - Finding the Root(s) of a Quadratic
$Y1 = -1.9x^2 + 1.5x + 2$
CASIO Domain: [-6.3, 6.3] and Range: [-3.1, 3.1] (INITIAL Setting)
TI Domain: [-10, 10] and Range: [-10, 10]

CASIO (PRIZM)

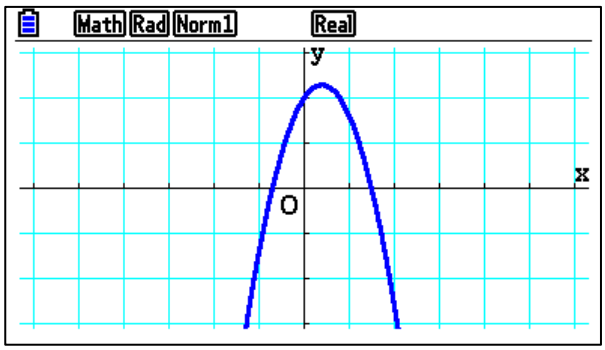
1. From Main Menu (MENU), select **GRAPH** icon by pressing 5 .



2. Enter function in **Y1** and press EXE to store the function.

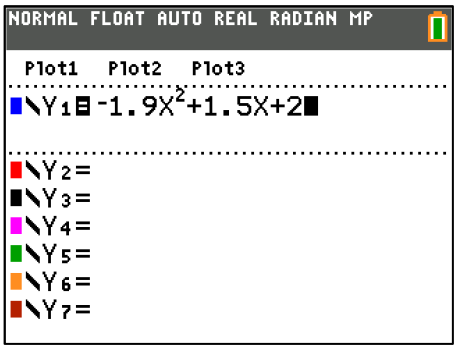


3. Press F6 (DRAW) to view the graph of the function.

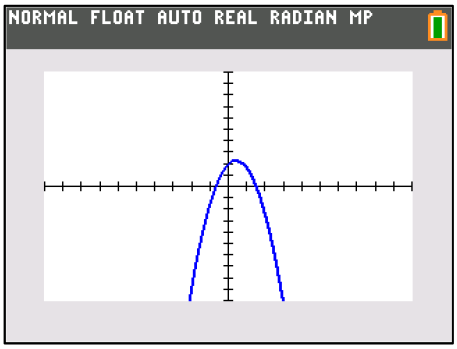


TEXAS INSTRUMENTS (84 PLUS CE)

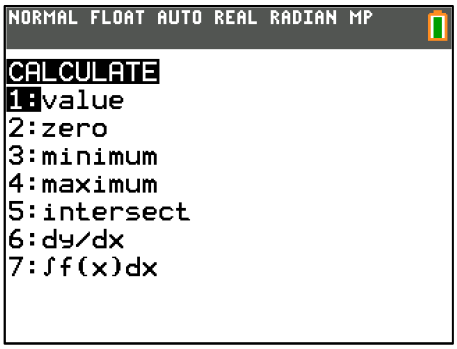
1. Press Y= and enter the function in **Y1**.



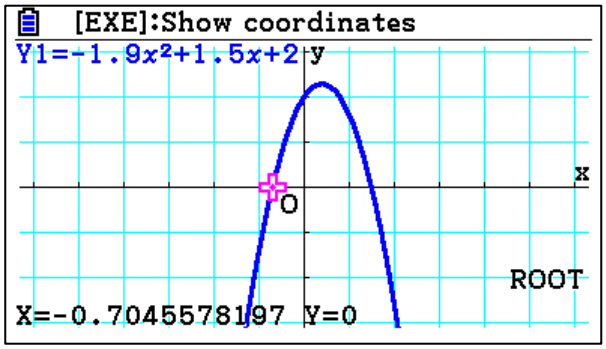
2. Press GRAPH to view the graph of the function.



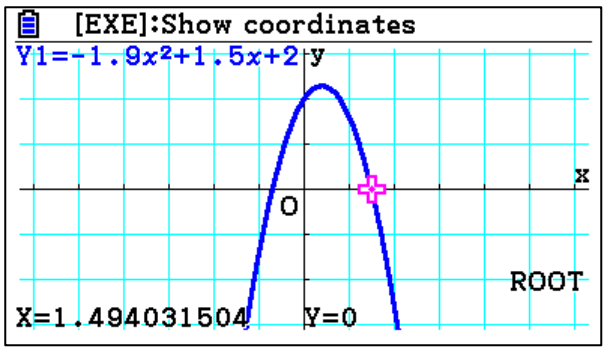
3. Press 2nd TRACE (calc).



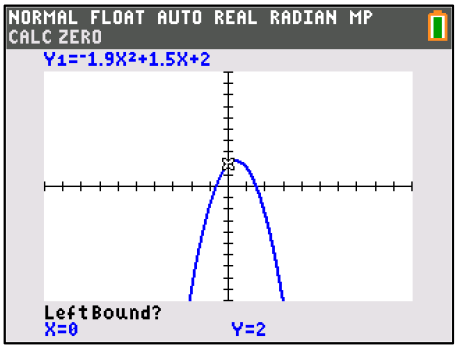
4. Press F5 (G-Solv), then F1 (ROOT).



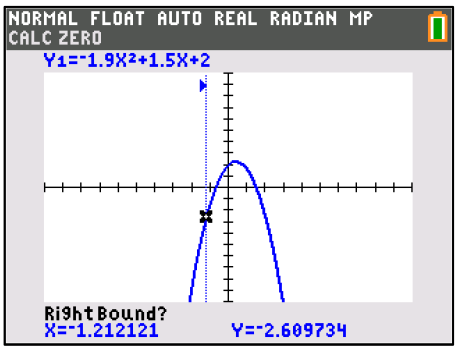
5. To find the next root, press ▶. Use the arrow keys to toggle between all roots.



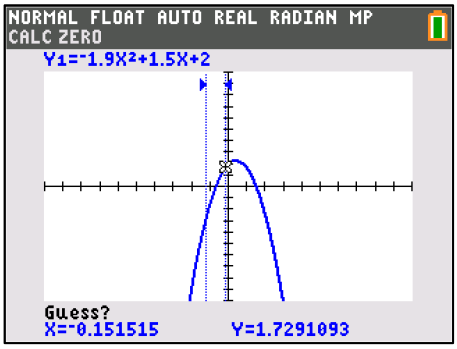
4. Press 2 (zero) or arrow down to **2** and press ENTER.



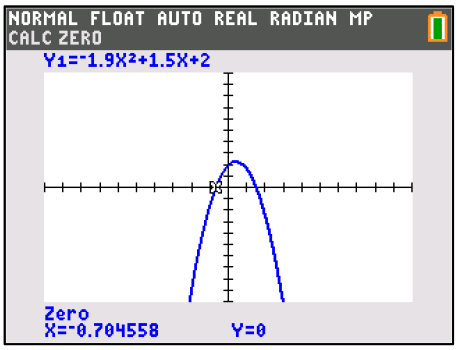
5. Use the arrow keys (◀▶) to move the cursor to the left side of the desired root and press ENTER.



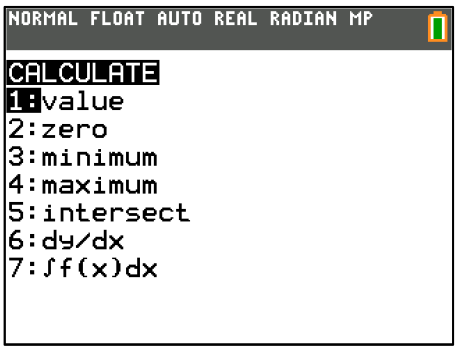
6. Use the arrow keys (◀▶) to move the cursor to the right side of the desired root and press ENTER.



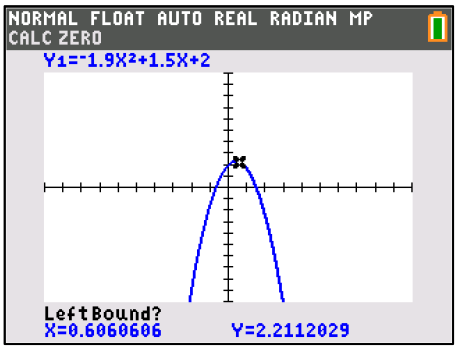
7. Press [ENTER] for the 'guess' or move the cursor as close to the desired root with the arrow keys ([◀][▶]). The **ROOT** is displayed.



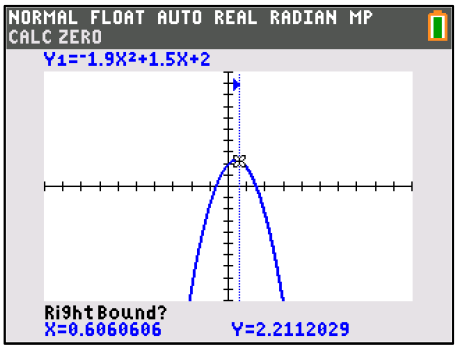
8. To find the next root, repeat Steps 3 – 7 for each root. Press [2nd][TRACE](calc).



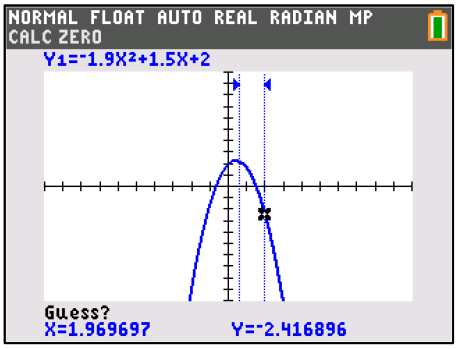
9. Press [2](zero).



10. Use the arrow keys (◀▶) to move the cursor to the left side of the desired root and press ENTER.



11. Use the arrow keys (◀▶) to move the cursor to the right side of the desired root and press ENTER.



12. Press ENTER for the 'guess' or move the cursor as close to the desired root with the arrow keys (◀▶). The **ROOT** is displayed.