

00. By my initials, I swear no one has helped me, I have not used artificial intelligence, & I have helped no one with this test. \_\_\_\_\_

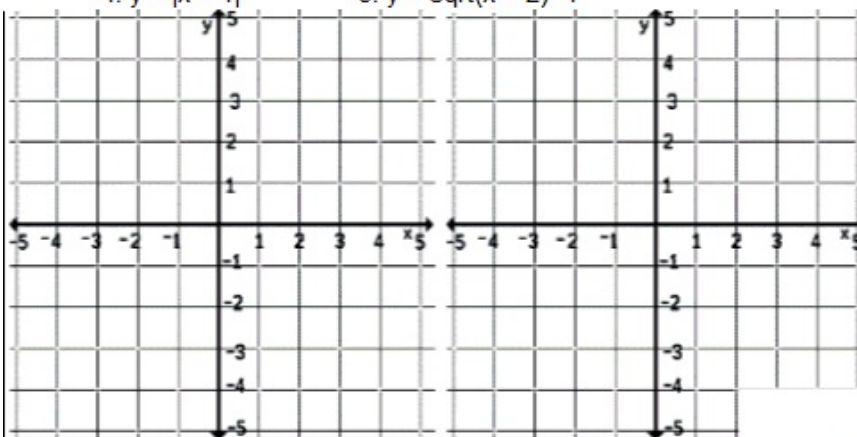
000. My email address is : \_\_\_\_\_

1. Print the test. Write work/answers on the test. Produce a digital copy. Rename it using ###First.Last.T2.p\_\_\_. Attach it to email & send to precalc@mathnstuff.com by 11:59 PM, 10/3/2025.
2. Write your ###First.Last.T2.p\_\_ on each page OR NOT CREDIT FOR PAGE!!
3. State the web pages or text pages used on this assignment.

4., 5. Graph and state the domain and range

4.  $y = |x + 1|$

5.  $y = \sqrt{x + 2} - 1$



6. Use plane #5, graph the inverse of function #5, and below show the algebraic computation of the inverse of function #5.

7. Write the equation for the function  $f(x)$  graph in #7.

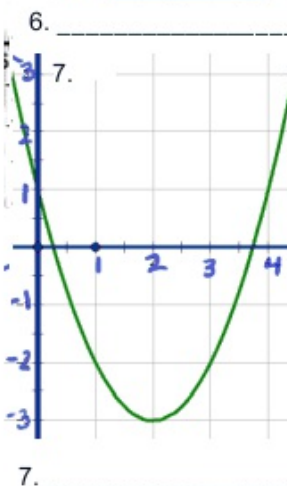
8. Sketch labeling zeros, the graph of

$$f(x) = -(x+2)^2(x-1)^3(x+4)$$

9. Sketch, label asymptotes, zeros.

$$f(x) = \frac{x^2 + 5x + 6}{x^2 + 4x + 4}$$

4. D \_\_\_\_\_  
R \_\_\_\_\_  
5. D \_\_\_\_\_  
R \_\_\_\_\_



10. Technology  
rename4  
attach4  
title4