0. State: ##.First.Last.T2 <YourEmailAddress> and put it below and the page number on each sheet of paper.

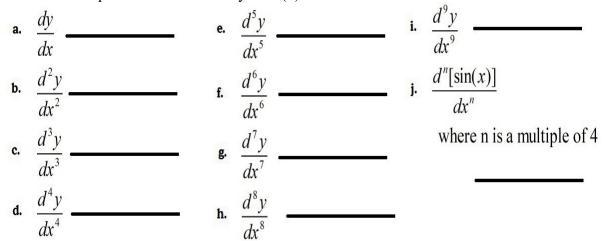
00. By my initials, I swear, with this test/quiz,

no one has helped me, I have helped no one, I have not used any artificial intelligence tool/webpage.

000. I used these web pages/textbook pages to complete this test.

0000. WORTH POINTS ON THE TEST! Don't forget to title each page and rename and attach your files, using email subject line ##.First.Last.T2, mailed to your class mailbox at blue@mathnstuff.com or purple@mathnstuff.com by the Friday night deadline. Go with confidence.

- 1. SHOW WORK. Circle answer. Write the tangent line to $f(x) = (3x)/\cos(x)$ when x equals pi (π).
- 2. State the requested derivatives of y = sin(x).





3. Show work. Use the Quotient Rule, to show $D_x(sec(x)) = sec(x)tan(x)$ Most basic trig identities are found at: www.mathnstuff.com/math/spoken/here/2class/330/gif/cheat1.gif Calculator websites are found on your 10/4/24 test page and at: www.mathnstuff.com/math/calc/calc1.htm