

INTRODUCTION TO CALCULUS

MATH 1A

UNIT 17: WORKSHEET

Problem 1: Find the derivative of $\sqrt{1+x^2}$ using the chain rule.

Problem 2: Find the derivative of $\sin^3(x)$ using the **product rule**.

Problem 3: Find the derivative of $\sin^3(x)$ using the **chain rule**.

Problem 4: Find the derivative of $\tan(\sin(x))$.

Problem 5: Find the derivative of $\sin(\cos(\exp(x)))$.

Problem 6: Find the derivative of e^{-x^2} using the chain rule.

Problem 7: Find the derivative of $\ln(\ln(\ln(x)))$ using the chain rule.