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.