

1. Find the derivative of the equation $y = \sqrt{1 - x^2}$ using the chain rule. Show each of the steps you used to arrive at your solution.

2. Find the derivative of the equation $y = \ln(1 - x^2)$ using the chain rule. Show each of the steps you used to arrive at your solution.

3. Find the derivative of the equation $y = \sin(1 - x^2)$ using the chain rule. Show each of the steps you used to arrive at your solution.

4. Find the derivative of the equation $y = e^{1-x^2}$ using the chain rule. Show each of the steps you used to arrive at your solution.