# Bellwork 10/30

$$f(x) = \ln\left(x^2 + 1\right)$$

Find the equation of the line tangent to $f$ at $x = -1$.

reset

# Bellwork 10/30 - Solution

$$f'(x) = \frac{2x}{x^2 + 1}$$

Point-Slope Form: $y - f(-1) = f'(-1)(x + 1)$

$$\implies \boxed{y = -x - 1 + \ln(2)}$$

# Exercise 1

# Exercise 1 - Solution

# Exercise 2

# Exercise 2 - Solution