

Math 33B Test

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1 Question 1

$$\frac{dx}{dy} = \frac{y^2 + 1}{x^2 - 1}$$

2 Question 2

$$\frac{dx}{dt}(t+1) - x = (1+t)^3$$

3 Question 3

$$y \sin x dx + \cos x dy = 0$$

$$(x^2 + y^2 - x)dx - ydy = 0$$

$$\mu(x) = (x^2 + y^2)^{-a}$$

4 Question 4