



Lesson 5.3 – Implicit Differentiation and Inverse Functions

1. Use implicit differentiation to find $y' = \frac{dy}{dx}$.

(a) $x^3y + 4x = 2y^2$

(b) $\frac{1}{x} + \frac{1}{y} = 1$

(c) $xe^y + 5y^3 = x$