

Implicit Differentiation

Directions: Do what it says.

1. Find $\frac{dy}{dx}$

a. $3x^2y + 5y^3 = 9$

b. $y^4 - y^3 = x^2 + 5x$

c. $y^2 = 3 \sin(y) - x^4$

d. $x^2y^4 + y^3x = 2xy - x$