

Name _____

Implicit Functions Practice II

Find the derivative of the **implicit** functions below.

1) $3x^3y - y = x + 1$

2) $5x^2 - 7 = \sqrt{y}$

$$3) (1 - y^2)^3 = x^2 - 1$$

$$4) 5 - xy^3 = 2x - 2y$$

5) Find the slope of the tangent line to the implicit function:

$$x^{4/3} + y^{4/3} = x^{2/3} + y^{2/3} \text{ at } (1,1)$$

