9/ $f(x,y) = \frac{x^2 - y}{x} = (x^2 - y) \cdot x^{-1}$

$u \quad v$

$(u \cdot v)' = uv' + u'v$

$u = x^2 - y$

$u' = 2x$

$v = x^{-1}$

$v' = -x^{-2}$

$(x^2 - y) \cdot (-x^{-2}) + \frac{2x}{x}$

$-\frac{x^2 + y}{x^2} + 2$

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

$-\frac{x^2}{x^2} + \frac{y}{x^2} + \frac{2x^2}{x^2}$

$\frac{-x^2 + y + 2x^2}{x^2}$

$\frac{x^2}{x^2} + \frac{y}{x^2}$

$f_x = 1 + yx^{-2}$