

Name \_\_\_\_\_

## Calculus

### Implicit Differentiation Review

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

2)  $\cos(xy) = y$

3)  $x^3y^2 + y = 5$

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

5) Find the slope of the tangent line to the curve  $x^3 + 2y^4 = 3$  at the point (1,-1).

6) Find the equation of the line tangent to the curve  $x^2y + 7y = 2x$