

## Worksheet 7

**Name:**

1. Consider the equation  $x^3 + 4y^2 = 3$ .

(a) Find one point on the graph of  $x^3 + 4y^2 = 3$

(b) Find the equation of the tangent line to the graph at the point you found

(c) Find  $\frac{dy}{dx}$

2. Find  $\frac{d\theta}{dx}$  for  $\tan^2(\theta) = x^3 + 1$ .