

MATH 261 Quiz 7

Name: .

Student number:

Show all work. 5 points each.

1) Find the tangent plane to the surface represented by $z = y \cos(x - y)$ at the point $(2, 2, 2)$.

2) Use the Implicit Function Theorem to find $\frac{dy}{dx}$ for $\sqrt{xy} = 1 + x^2y$