## Quiz 7 Calculus 1 10/7/2002

Each problem is worth 5 points. Show complete justification for full credit.

1. Use implicit differentiation to find $y^{\prime}$ if $x^{2}+y^{2}=1$.
2. Use implicit differentiation to find $y^{\prime}$ if $x^{2} y+x y^{2}=3 x$.
