

THE UNIVERSITY OF AKRON
Theoretical and Applied Mathematics

The AcroTeX Bundle
Processing Equations

D. P. Story

Quiz Answer each of the following. Passing is 100%.

1. Find the equation of the line that passes through the two points $P(1, 1)$ and $Q(2, 5)$.



2. Write the equation of the circle centered at the point $C(1, -1)$ with radius 4.



3. Consider the function $f(x, y) = 2x^2y - 3xy^3$. Find the equation of the line tangent to the surface of the graph of this function at the point on the graph corresponding to $(x, y) = (-1, -1)$.

