

MA 115-02
§2.1-2.5

Quiz #2

score

Name: _____

16 June 2000

1. Use your calculator to determine the points of intersection of the graphs of the equations $y = x^4 - 1$ and $y = x + 1$. Give your answers correct to one decimal place. (5 points)

-
2. Solve the inequality $|2x - 3| < 4$ algebraically. (5 points)

-
3. Let $f(x) = x^2 - x + 3$ and $g(x) = \sqrt{x+1}$. Compute $f \circ g(2)$ and $g \circ f(2)$. (5 points)

-
4. Sketch the graph of the relation given by the parametric equations $x(t) = t^3 - 3t + 1$ and $y(t) = t - 1$ in the xy -plane. Is this relation a function y of x ? (5 points)

