

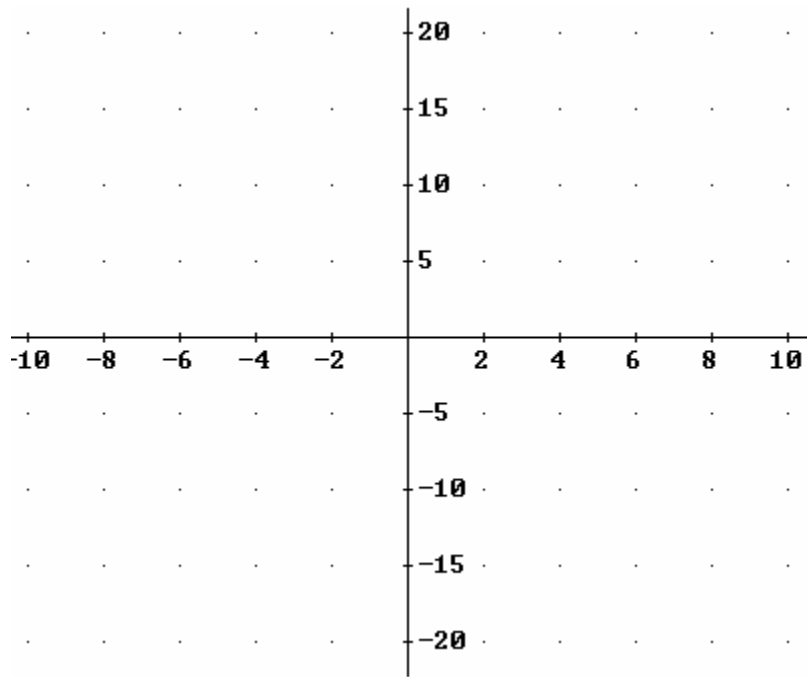
Math Worksheet: Graphs of Rational Functions(2)

Given the function

$$f(x) = \frac{x^3 - 1}{x^2 - 4}$$

1. Find the domain f .
2. Find the vertical asymptotes and oblique (slant) of the graph of f .
3. Find the y-intercept and x intercept, if any, of the graph of f .
4. For what values of x is $f(x)$ positive?

5. Sketch the graph of f .



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