Quiz2

Name

1. (3 points) Let $f(x) = \sqrt{3x^2 - 27}$. What is the domain of f(x).

2. (4 points) Find the y-intercept and x-intercepts of the quadratic equation below.

$$f(x) = x^2 - 6x + 8$$

3. (3 points) The rational function below has a hole. Determine the location of the hole (your answer should be a point).

$$f(x) = \frac{x^2 + 4x - 5}{x - 1}$$