

MAT 123: Introduction to Calculus, R-16
Fall 2005

Worksheet 1

Oct. 20, 2005

Problem 1. $f(x) = \frac{3x - 6}{x + 1}$.

- **intercepts:**

x -intercept:

y -intercept:

- **asymptotes:**

vertical:

horizontal:

slant:

- **plot some extra points:**



- **Graph:**

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

- **intercepts:**

x -intercept:

y -intercept:

- **asymptotes:**

vertical:

horizontal:

slant:

- **plot some extra points:**



- **Graph:**