1 Continuous and Discontinuous Functions

- 1. Is the function f(x) = |x 2| continuous or discontinuous?
- 2. Is the function $f(x) = \frac{1}{x^2 4}$ continuous or discontinuous?
- 3. Is the function $f(x) = \frac{x^2 16}{x 4}$ continuous or discontinuous?
- 4. For what values of x is the function $y = \frac{2}{x+4}$:
 - a. Continuous
 - b. Discontinuous
- 5. For what values of x is the function $y = \frac{1}{\sqrt{x+5}}$:
 - a. Continuous
 - b. Discontinuous