

# Quiz 1

MATH 139-02  
Thursday, January 22, 2004

1. Let  $f$  be a function of  $x$  such that  $f(x) = \frac{x^2 - 1}{x + 4}$ . What is  $f(-2)$ ?
2. If  $f(x) = x^2 - 5$ , what is  $f(x + 2)$ ? Simplify your answer.
3. Let  $A = \{1, 2, 3, 4\}$  and  $B = \{1, 3, 5, 7, 9\}$ . Draw an arrow diagram that gives a **nonfunction** from  $A$  to  $B$ .
4. Find an equation of the line through the points  $(2, -4)$  and  $(6, 1)$ .