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 $(6, 1)$.