

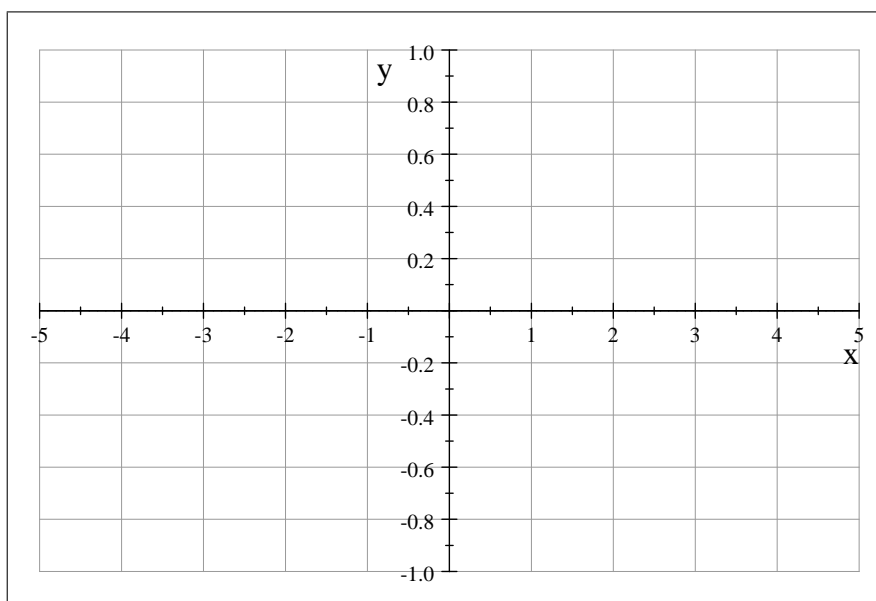
Worksheet for section 1.6

Math 142 section 05

1. Given

$$f(x) = \frac{x^2 - |x|}{x}$$

plot the graph of the function and determine if f is injective by using the horizontal line test.



2. Given $f(x) = \sqrt{4 - x}$ find the inverse of f

3. Given $f(x) = \frac{2x-3}{x+4}$ and $g(x) = \frac{3+4x}{2-x}$ determine if f and g are inverses of each other.