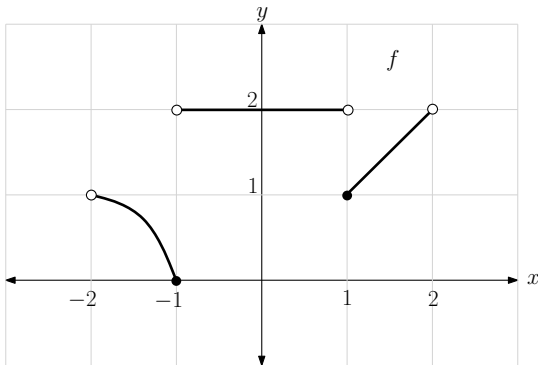Math 201 - Quiz #1   Name: _____
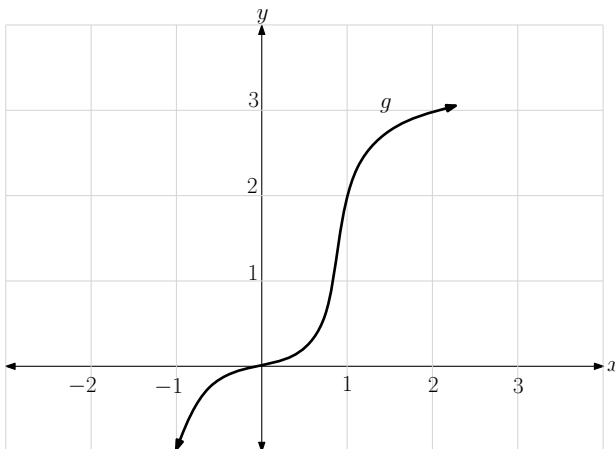
1. Consider the graph of the given function $y = f(x)$ below.

(a) $f(-1) =$ ☐

(b) $f(0) =$ ☐

(c) $f(1) =$ ☐

(d) Domain of f (use interval notation): ☐

(e) Range of f (use interval notation): ☐

(f) Is f injective (one-to-one)? ☐

2. Consider the graph of the given bijective function $y = g(x)$ below.

(a) Using the graph, how can we tell g is injective (one-to-one)?

☐

(b) $g^{-1}(2) =$ ☐

(c) Using the graph of $g(x)$ above sketch the graph of $g^{-1}(x)$.

(d) Without using the graph, what is the value of $(g^{-1} \circ g)(2014) =$ ☐