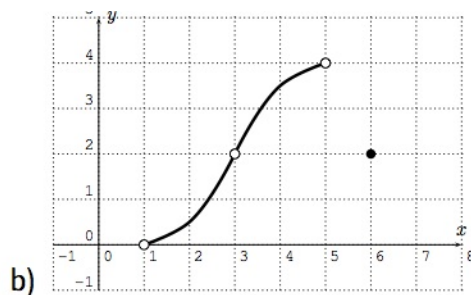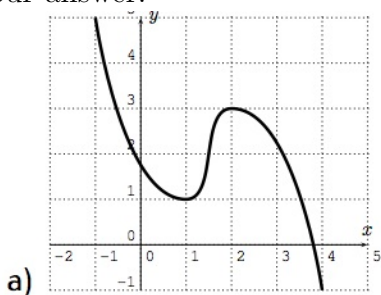**Please do not write in the margins of the page!**

Part A: Use the "round-trip" theorem to check if the given functions are inverses: show **all** your work.

1) $f(x) = -x - 4$; $g(x) = 4 - x$

2) $f(x) = 2x + 3$; $g(x) = x - \frac{3}{2}$

Part B: Is each of the functions whose graphs are given below one-to-one or not? Explain your answer.

a)

b)

a) Is it one-to-one? Why or why not?

b) Is it one-to-one? Why or why not?