MA 158

Quiz 2   7 septiembre 2016

Instructions: Show all work, with clear logical steps. No work or hard-to-follow work will lose points.

Problem 1. (2 points) Given

$$f(x) = \frac{7x + 1}{9 - x}, \quad g(x) = \frac{1}{x},$$

find $(f \circ g)(x)$.

Problem 2. (2 points) Find $(g \circ f)(x)$ with the same f and g.

Problem 3. (Bonus 1 point) Find the domain of $f \circ g$ and $g \circ f$.