

7. [4 points] Find all possible solutions  $w$  to the equation  $\frac{2e^{9(w-1)}}{7} = 3$ . Be sure to show all your steps, give your answer in **exact** form, and **circle** your final answer.

8. [5 points] Consider the function

$$R(q) = \frac{5q + 3}{4 - q}$$

Find a formula for its inverse. Be sure to show all your steps, and **circle** your final answer.