Quiz 1 — MA161 — August 29, 2018

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1. (10 points) Find a formula for the inverse of the function

$$f(x) = \frac{2x+1}{2-x}.$$

2. (10 points) Express the given quantity as a single logarithm.

$$\frac{2}{3}\ln(x+8) - \ln\left(\sqrt[3]{x}\right) - \frac{\ln\left(x^2-9\right)}{3}$$