

Math 32 Quick Quiz

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1. Simplify:

$$\log_2 x + \log_2(3/x) + 2 \log_2(4/\sqrt{3})$$

2. Estimate 2^{50} as a power of 10:

3. Solve the equation for x :

$$\frac{(x+4)10^x}{x-3} = 2x10^x$$

4. Find the domain of the function $\log_3(3-4x)$.

5. Solve the following equation, expressing your answer in terms of natural logarithms:

$$5 = 2e^{2x-1}$$