

Math 06, Chapter 10 Test

10:00 - 10:30

These ten questions are worth 5 points each. To get all 5 points it is very important that you show clearly all your working out and reasoning. Put a box around the answer.

Q1. Let $g(x) = 3^{x+1}$ and evaluate: $g(2)$

Q2. Let $f(x) = 2^{x+2}$ and evaluate: $f(-6)$

Q3. Solve: $3^x = 1$

Q4. Use a table of values to graph: $y = 3^x$

Q5. Use a table of values to graph: $y = \log_3 x$

Q6. Solve: $3^{x-1} = \frac{1}{9}$

Q7. Convert to exponential form: $\log_4 2 = 1/2$

Q8. Evaluate: $\log_2 256$

Q9. Evaluate: $\log_8 4$

Q10. Solve: $\log_{10} x = 2$