

Math 108-01
Summer 2025
Dr. Lily Yen

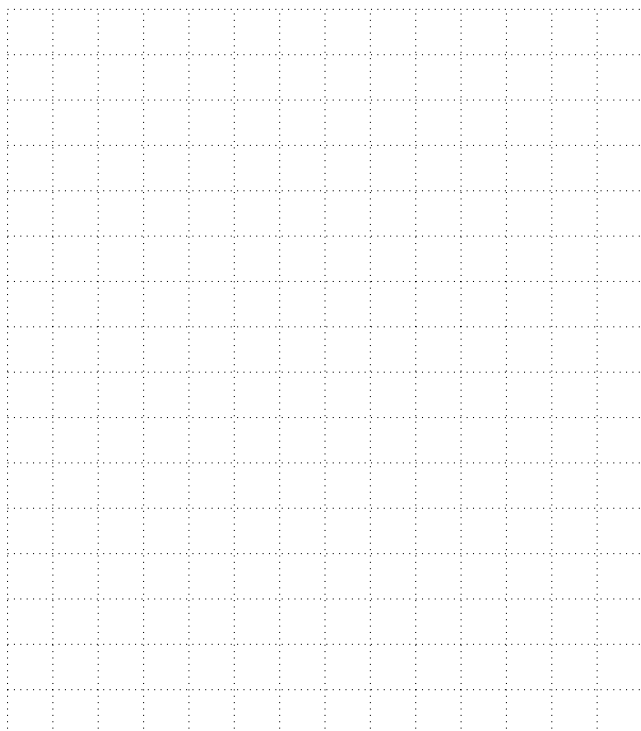
Quiz 1

Show all your work

Name: _____
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Score: ____/5

Problem 1: Draw the following piece-wise defined function. Hint: $\sqrt{12} = 2\sqrt{3} \approx 3.464$

$$f(x) = \begin{cases} 1 - \frac{x}{2}, & x \leq 2 \\ \sqrt{x^2 - 4}, & 2 < x < 4 \\ (4 - x)^2 + 2\sqrt{3}, & x \geq 4 \end{cases}$$



Score: ____/5