Quiz 6

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Question 1 *The function $y = \left(\frac{1}{2}\right)^2$ is:*

A *Decreasing.*

B *Oscillating.*

C *Increasing.*

D *Constant.*

Question 2 *What is the domain of the function $\log_{10}(10^x)$?*

A *All real numbers except for one.*

B *All real numbers except for zero.*

C *All real numbers.*

D *All positive real numbers.*

Question 3 *As x approaches 0, the function $y = \log_2(x)$ approaches:*

A 0

B 1

C ∞

D $-\infty$

Question 4 *Suppose that $\log_a(b^c) = 2$. Then what is the value of $a^{2/c}$? Assume that $c \neq 2$.*

A *b*

B $c/2$

C a

D $b^{c/2}$

E a^2