

# Pre-Calculus Practice Test Questions and Answers

1. What is the domain of the function  $f(x) = 1/(x-3)$ ?

- A) All real numbers
- B) All real numbers except  $x = 3$
- C) All real numbers except  $x = 0$
- D)  $x \geq 3$

2. What is the period of the function  $y = \sin(2x)$ ?

- A)  $\pi$
- B)  $2\pi$
- C)  $\pi/2$
- D)  $4\pi$

3. If  $\log_2(8) = x$ , what is the value of  $x$ ?

- A) 2
- B) 3
- C) 4
- D) 8

4. What is the amplitude of the function  $y = 3\sin(x)$ ?

- A) 1
- B) 3
- C)  $\pi$
- D)  $2\pi$

Answers: 1-B 2-A 3-B 4-B

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