10 Lecture - MTH101

Important Mcqs

1. What is the limit of the function f(x) = 3x + 1 as x approaches 2?	
a) 7 b) 8 c) 9 d) 10	
Answer: b) 8	
2. What is the limit of the function $f(x) = (x^2 - 9)/(x - 3)$ as x approaches 3?	
a) 6 b) 7 c) 8 d) 9	
Answer: d) 9	
3. What is the limit of the function $f(x) = (2x - 3)/(x + 1)$ as x approaches -1?	
a) -2 b) -1 c) 0 d) 1	
Answer: a) -2	
4. What is the limit of the function f(x) = sin(x)/x as x approaches 0?	
a) 0 b) 1 c) pi d) infinity	
Answer: b) 1	
5. What is the limit of the function f(x) = (x^3 - 8)/(x - 2) as x approaches 2?	
a) 0 b) 1 c) 2	

Answer: c) 2
6. What is the limit of the function $f(x) = e^{(2x)}$ as x approaches infinity?
a) 0 b) 1 c) infinity d) -infinity
Answer: c) infinity
7. What is the limit of the function $f(x) = (x^2 + 2x - 3)/(x^2 - 4)$ as x approaches 2?
a) 0 b) 1/4 c) 1/2 d) 1
Answer: c) 1/2
8. What is the limit of the function $f(x) = (x - 1)^3/(x^2 - x - 2)$ as x approaches 2?
a) -infinity b) -1 c) 0 d) infinity
Answer: b) -1
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9. What is the limit of the function $f(x) = 1/(x - 2)^2$ as x approaches 2?
a) 0 b) 1 c) infinity d) -infinity
Answer: c) infinity
40. What is the limit of the forestion f(x). Index (4) has a common above 00.
10. What is the limit of the function $f(x) = \ln(x + 1)/x$ as x approaches 0?
a) 0 b) 1 c) e d) infinity
Answer: b) 1