PRINT your name_

Quiz for January 27, 2009 - 9:30 section

Remove everything from your desk except this page and a pencil or pen.

Circle your answer. Show your work. Each question is worth 5 points.

1. Solve for x: $\log_5(5^{2x}) = 8$.

Answer: The given equation is equivalent to $5^8 = 5^{2x}$, which is the same as 8 = 2xor |x = 4|.

2. For the function graphed below, find

(a)
$$\lim_{x \to 0^-} f(x) > 1$$

(a)
$$\lim_{x \to 0^{-}} f(x) = 1$$

(b) $\lim_{x \to 0^{+}} f(x) = -\infty$

(c)
$$\lim_{x\to 0} f(x)$$
 Does not exist
(d) $f(0) = -\lambda$

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$$f(0) = -\lambda$$

