

Name: _____

January 31, 2013

1. $\lim_{x \rightarrow 0} \frac{\tan x}{3x} =$

2. Find the indicated one-sided limits.

(a) $\lim_{x \rightarrow 1^+} \frac{2x - 2}{|x - 1|} =$

(b) $\lim_{x \rightarrow 1^-} \frac{2x - 2}{|x - 1|} =$

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January 31, 2013

1. $\lim_{x \rightarrow 1} \frac{\sin(2x - 2)}{x - 1} =$

2. Find the indicated one-sided limits.

(a) $\lim_{x \rightarrow 0^+} \frac{|x|}{4x} =$

(b) $\lim_{x \rightarrow 0^-} \frac{|x|}{4x} =$

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January 31, 2013

1. $\lim_{x \rightarrow 0} \frac{2x}{\sin(3x)} =$

2. Find the indicated one-sided limits.

(a) $\lim_{x \rightarrow 3^+} \frac{3x - 9}{|x - 3|} =$

(b) $\lim_{x \rightarrow 3^-} \frac{3x - 9}{|x - 3|} =$

Name: _____

January 31, 2013

1. $\lim_{x \rightarrow 0} \frac{\sin(x)}{\sin(2x)} =$

2. Find the indicated one-sided limits.

(a) $\lim_{x \rightarrow 0^+} \frac{2x}{|x|} =$

(b) $\lim_{x \rightarrow 0^-} \frac{2x}{|x|} =$