

232 Quiz 1

September 2, 2011

Name: _____**Section:** _____**Name:** _____

Work with your partner on each problem; do not split up problems or tasks. You must discuss each problem together and agree on a final solution. Hand in one quiz per group.

You may use your hand-written Notebooks but no other materials and no technology at all. Please keep your discussions quiet so as not to disturb or inform other groups.

1. Find the domain of $f(x) = \frac{1}{\ln(x-2)}$. Show your work clearly and write your answer in interval notation.

2. Calculate $\lim_{x \rightarrow -\infty} \frac{2^x - 4^x}{3^x}$. You must show your work clearly and in order for full credit.