Math 200 - Quiz 8

November 3, 2010

Name_	Key		
	J	Score	

Show all work to receive full credit. Supply explanations when necessary.

1. (1 point) Carefully explain why $5 \div 0$ is not defined.

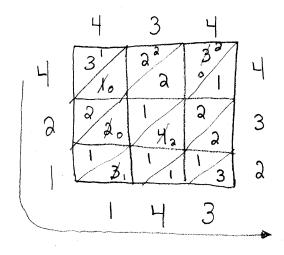
Missing FACTOR: 5 ÷ 0 IS THE UNIQUE NUMBER C

THERE IS NO SUCH NUMBER C

\$\Rightarrow\$ 5\diagraphi O IS NOT

COMPUTE 434c \times 432c \times DEFINED.

2. (2 point) Use a multiplication algorithm to compute $434_{\mathrm{five}} \times 432_{\mathrm{five}}$.



3. (1 point) Use the short division algorithm to compute $2367 \div 4$.

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4. (1 point) Is it ever true that |x| = -x? Explain your reasoning.

X MUST

YES, IT WILL BE TRUE WHENEVER X < O.

BE

FOR EXAMPLE, IF X = -3.

NON NEGATIVE.

$$|-3| = -(-3) = 3$$