

Name _____

Quiz #3
Mathematics 309a Abstract Algebra
January 17, 2008
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Complete these two tables to give operations for two non-isomorphic groups $\langle \{e, a, b, c\}, * \rangle$ and $\langle \{e, a, b, c\}, *' \rangle$. Assume that e is the identity for both groups.

A.

*	e	a	b	c
e				
a		e		
b			e	
c				e

B.

*'	e	a	b	c
e				
a		b		
b			e	
c				