

Name _____

Mathematics 309a: Abstract Algebra

Winter Semester 2009

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Quiz #11

March 19

Classify the given group according to the Fundamental Theorem of Finitely Generated Abelian Groups.

A. $\mathbb{Z}_2 \times \mathbb{Z}_5 / \langle (1, 1) \rangle$

B. $\mathbb{Z}_2 \times \mathbb{Z}_8 / \langle (1, 2) \rangle$

C. $\mathbb{Z}_3 \times \mathbb{Z}_4 / \langle (1, 1) \rangle$