Name:



(2 points) Above is a map of Farmer Blitzer's cow pastures. To the right of it, draw a labeled *graph* that shows which pastures are connected to which other pastures.

(2 points) Blitzer is concerned that one of his cows (Flametooth) might actually be a dragon, rather than a cow. As a safety precaution, Blitzer wants to close all the gates between the pastures. Right now all gates are open. Is it possible for Blitzer to start in pasture B and walk through every gate (closing each gate after he passes through it) without re-opening any closed gate? If it is possible, give one route for Blitzer and say whether it is an Eulerian path or circuit. If it's impossible, explain why.

MAT 110 Quiz 4, 9/7/2011



Name: _____ Section: C

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