1035-05-1821 Desiree L. Bowman* (dlbowman@gmail.com), Mathematics Department, Illinois State University, Normal, IL 61790-4520, and Saad I. El-Zanati and Keri A. Sebesta (kasebes@ilstu.edu), Mathematics Department, Illinois State University, Normal, IL 61790-4520. On γ-labeling almost-bipartite graphs.

Techniques of labeling the vertices of a bipartite graph G with n edges to yield a cyclic G-decomposition of K_{2nx+1} , where x is a positive integer, have received much attention in the literature. An *almost-bipartite* graph is a non-bipartite graph with the property that the removal of some single edge renders the graph bipartite. Examples of such graphs include the cycles of odd length. Blinco, El-Zanati, and Vanden Eynden recently introduced the concept of a γ -labeling of an almost-bipartite graph. They showed that such a labeling of a graph G of size n yields cyclic G-decompositions of K_{2nx+1} . We investigate some infinite classes of almost-bipartite graphs that admit γ -labelings. Our work was done as part of the *Teacher-Scholar Program* at Illinois State. (Received September 20, 2007)