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Cynthia Y. Young* (cynthia.young@ucf.edu), Department of Mathematics, University of Central Florida, Orlando, FL 32816. *i-IBL Interactive Inquiry Based Learning: Improving Student Conceptual Learning in Precalculus.*

Interactive figures provide an opportunity to explore a mathematical concept. Inquiry Based Learning puts the control of learning in the hands of the student in a discovery mode. Integrated together, these two pedagogies have the potential to increase student conceptual learning. An example of an i-IBL (Interactive Inquiry Based Learning) on power functions (discovering the characteristics of even and odd functions) will be demonstrated from the perspective of a student in an online environment. (Received September 11, 2012)