

1096-VP-2301      **Don Small\*** ([don.small@ymail.com](mailto:don.small@ymail.com)), 28 Pine Street, Cornwall on Hudson, NY 12520. *A Contemporary Approach to Intermediate Algebra.*

A contemporary approach focuses on three goals (1) developing problem-solving skills, (2) helping students to become effective learners, (3) developing student confidence and motivation. The primary medium for addressing these goals is solving realistic word problems. Homework exercises are presented in word problem format rather than the “skill and drill” format. Strong emphasis is placed on modeling word problems and interpreting solutions, interpreting charts and graphs, and questioning. The one semester course is designed to prepare students for a credit bearing course such as college algebra as well as for the mathematics students encounter in the social and biological sciences. The objective is to prepare students to integrate mathematics into their other courses and to engage them in mathematics that is critical to their being an informed citizen, not to force them into a calculus track. The recommended pedagogy is to “flip” the traditional lecture-homework pattern so that encountering and studying new material is central to homework assignments while class time is reserved for questioning, small group activities, and student presentations. (Received September 17, 2013)