



In Class Exercises (ICE) - 11/17/00

Contrary to popular belief, calculus was an integral part of peoples' live in the Old West. Jethro has 600 yards of fencing materials available to him, and he wants to build a corral (see diagram below). The corral will have four sides and two internal partitions, all of which have to be made out of the 600 yards of fencing material. Jethro was born in Texas, so he believes that "bigger is better." How could Jethro use calculus to "cipher" the dimensions of the corral? (Remember, this is the Old West, so Jethro won't have access to a calculator.)

