

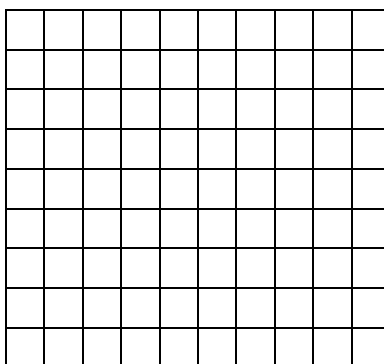


b. If Lavonna weighs 150 pounds at sea level, how much will she weigh on Pike's Peak, which is 14,110 feet above sea level? (There are 5280 feet in 1 mile.) Use the trace or value feature on your calculator.

c. Setup the TABLE feature with TblStart = 0 and  $\Delta Tbl = 0.5$  to see how the weight  $W$  varies as  $h$  changes from 0 to 5 miles.

d. At what height will Lavonna weigh 119.95 pounds?

e. Use points from the table on your calculator to draw a graph from 0 to 5 miles above sea level.



3. Make up your own function and graph it on your calculator. Find the intercepts and maxima or minima.