

45. Garden Variety Flower Shop uses 600 clay pots a month. The pots are purchased at \$2 each. Annual carrying costs per pot are estimated to be 30 percent of cost, and ordering costs are \$25 per order. What is the EOQ?

46. (2pts) Referring to problem 45: The manager has been using an order size of 1,000 flower pots. What additional annual costs is the shop incurring by using this ordering size?

47. (3pts) The maintenance department of a large hospital uses about 400 cases of liquid cleanser annually. Ordering costs are \$12 and carrying costs are \$4 per case. The new price schedule is as follows:

Quantity	Unit Cost
1-49	\$20
50-79	\$18
80-99	\$17
100 or more	\$16

Determine the optimal order quantity and the total cost.

I enjoyed teaching this class and wish all of you the best in careers. Please feel free to contact me if you ever need anything. Cathy Frampton