6. Economists at General Industries have been examining operating costs at one of its parts manufacturing plants in an effort to determine whether the plant is being operated efficiently. From weekly cost records, the economists developed the following cost-output information concerning the operation of the plant:

a. AVC (average variable cost) at an output of 2,000 units per week is $7.50.

b. At an output level of 5,000 units per week, AFC (average fixed cost) is $3.

c. TC (total cost) increases by $5,000 when output is increased from 2,000 to 3,000 units per week.

d. TVC (total variable cost) at an output level of 4,000 units per week is $23,000.

e. AVC (average variable cost) decreases by $0.75 per unit when output is increased from 4,000 to 5,000 units per week.

f. AFC plus AVC for 8,000 units per week is $7.50 per unit.

g. ATC (average total cost) decreases by $0.50 per unit when output is decreased from 8,000 to 7,000 units per week.

h. TVC increases by $3,000 when output is increased from 5,000 to 6,000 units per week.

i. TC decreases by $7,000 when output is decreased from 2,000 to 1,000 units per week.

j. MC (marginal cost) is $16 per unit when output is increased from 8,000 to 9,000 units per week.

Given the preceding information, complete the following cost schedule for the plant. (Hint: Proceed sequentially through the list, filing in all the related entries before proceeding to the next item of information in the list.)

See in Excel Sheet Attached(Chapter 8 Problem A).