



DRIVER OPERATOR COURSE

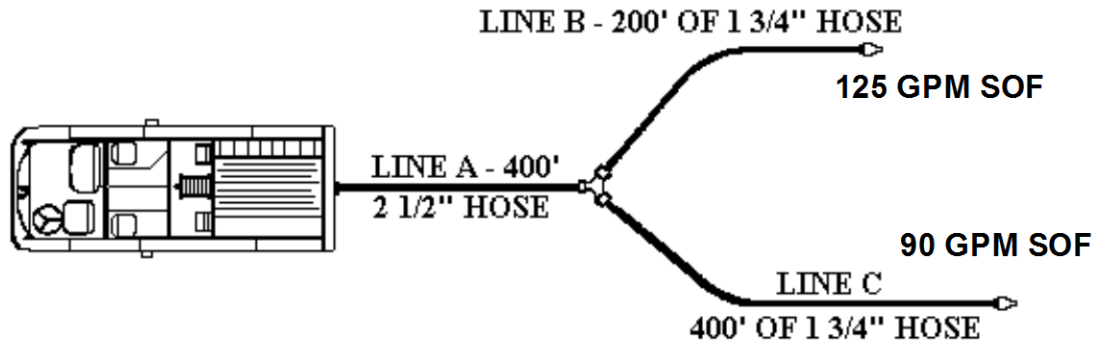
HYDRAULICS SESSION II HOMEWORK

Instructions:

- 1) This is a self-administered quiz. This quiz is intended to help prepare you for the Hydraulics Exam administered during Session 3 of the Driver Operator Course.
 - 2) You should be able to complete this quiz without referring to the Hydraulics Section of the Drill Manual or your notes.
 - 3) Your goal should be to complete this quiz within 10 to 20 minutes with 100 % accuracy. Remember that the test administered during Session 3 will consist of 10 questions and you will be expected to complete those 10 questions in 20 minutes with 80 %accuracy.
 - 5) **SHOW ALL OF YOUR WORK.** If you use the Rule of 12's, show the math involved. Be sure to show the PP formula along with your final answer.
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PROBLEM #1

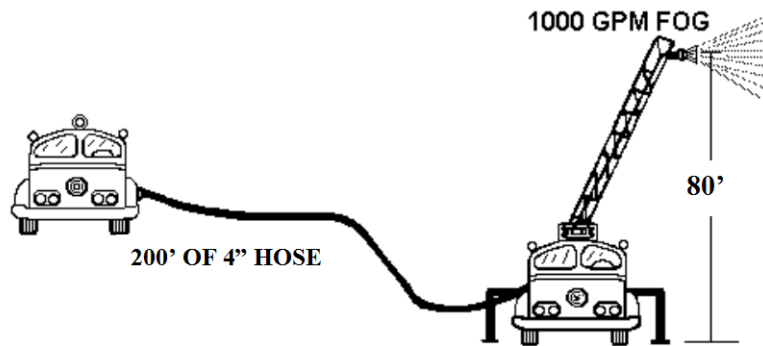
200' of 1 3/4" hose with a 125 GPM SOF nozzle and 400' of 1 3/4" with a 90 GPM SOF nozzle wyeed off of 400' of 2 1/2" hose



PP =

PROBLEM #2

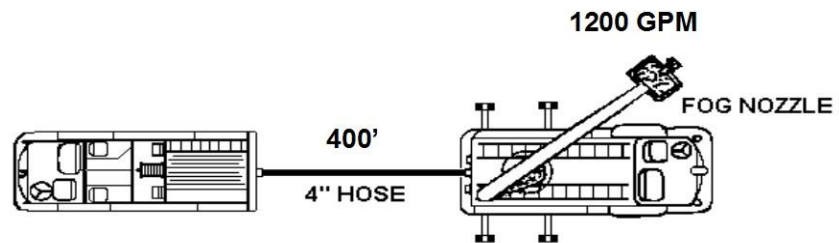
Ladder Pipe with a 1000 GPM fog nozzle, elevation 80', and 200' of 4" supply line



PP=

PROBLEM #3

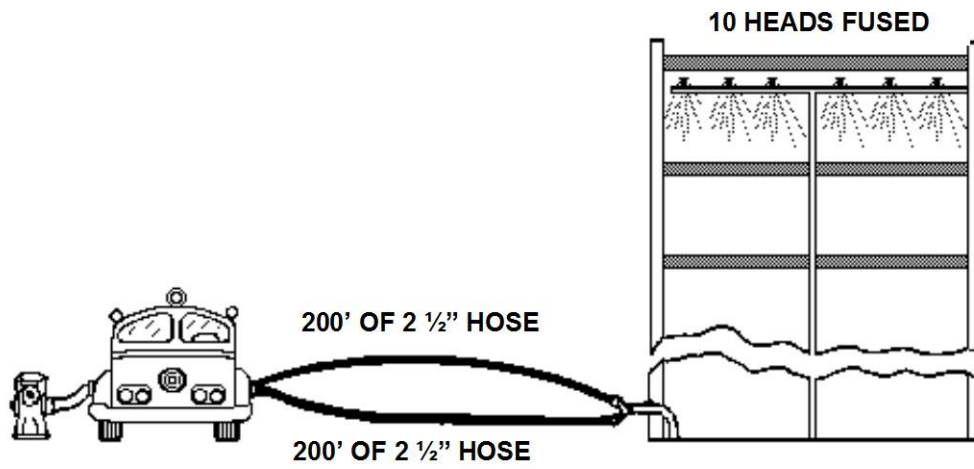
Platform at 50' elevation with a 1200 GPM fog supplied by 400' of 4"



PP=

PROBLEM #4

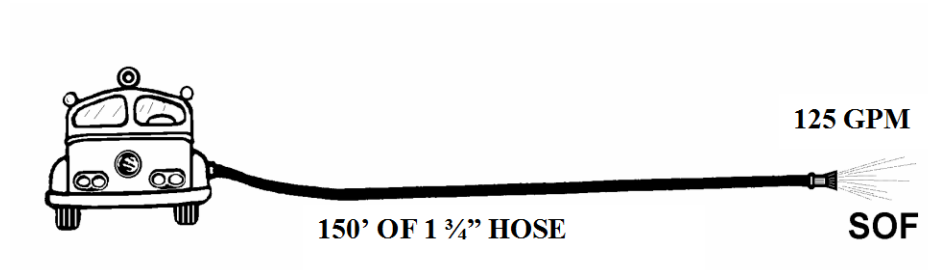
Ten heads fused on the 7th floor, system supplied by (2) 200' lengths of 2 1/2"



PP =

PROBLEM #5

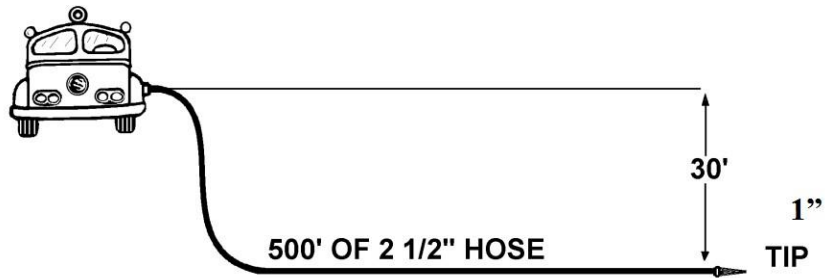
150' of 1 3/4" hose with a 125 GPM fog nozzle



PP =

PROBLEM #6

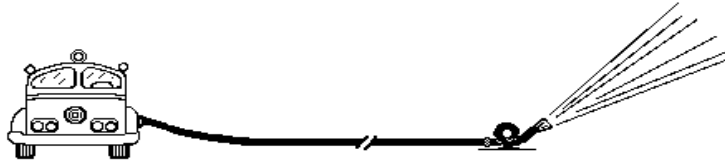
500' of 2 1/2" hose with a 1" tip, 30' downhill



PP =

PROBLEM #7

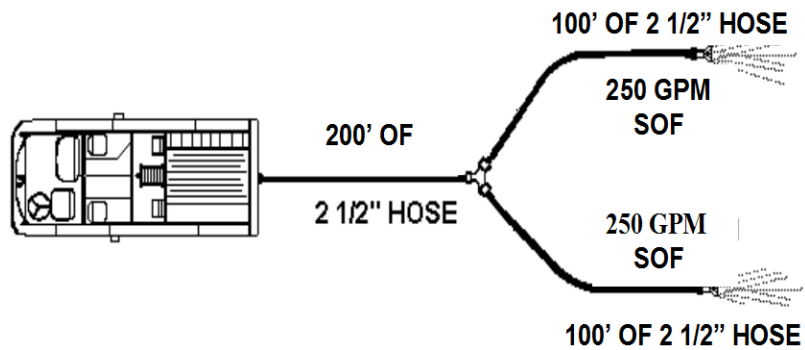
400' of 4" hose supplying a remote monitor with a 1 3/8" tip



PP =

PROBLEM #8

Two 100' lengths of 2 1/2" hose with 250 GPM SOF nozzles wyed from one 200' length of 2 1/2" hose



PP =