Geo PSAT/SAT Wed, March 18, 2020

19

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B) 93
C) 99
D) 105

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write 2 eqs to represent this situation:

s = # salads
d = # drinks

$209 = s + d$

$836.50 = 6.50s + 2.00d$

now solve this system of equations using substitution or elimination

using substitution you can solve the 1st eq for s or d:

$d = 209 - s$

now substitute this into 2nd eq:

$836.50 = 6.50s + 2(209 - s)$

$836.50 = 6.50s + 418 - 2s$

$836.50 = 4.5s + 418$

$-418 \quad -418$

$\frac{418.50}{4.5} = \frac{4.5s}{4.5}$

$s = 93$

CONTINUE