



Alg 2 PSAT/SAT

Wed, March 18, 2020

19

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- A) 77
- B) 93
- C) 99
- D) 105



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write 2 eqs to represent
 this situation :

$s = \# \text{ salads}$

$d = \# \text{ drinks}$

$$209 = s + d$$

$$836.50 = 6.50s + 2.00d$$

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:

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

$$836.50 = 6.50s + 418 - 2s$$

$$836.50 = 4.5s + 418$$

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

$$s = 93$$