

2.17.16 If you get stuck on these problems, use the GUESS Method to get you started.

truck sells salads for \$6.50 each and
2.00 each. The food truck's revenue
a total of 209 salads and drinks in one
36.50. How many salads were sold that

8) In one semester, Doug and Laura spent
combined 250 hours in the tutoring lab. If
spent 40 more hours in the lab than Laura
how many hours did Laura spend in the lab

U
X = Salad
y = Drinks
x = ?
\$ 836.50
#d and s = 209

E/S

$$6.5x + 2y = 836.5$$

$$-2(x + y = 209)$$

$$-2x - 2y = -418$$

$$\frac{4.5x}{4.5} = \frac{418.5}{4.5}$$

$$x = 93 \text{ salads}$$

8) In one semester, Doug and Laura spent a combined 250 hours in the tutoring lab. If Doug spent 40 more hours in the lab than Laura did, how many hours did Laura spend in the lab?

G

D and L Total
250 hrs

D spent 40 + L

U

Doug = D

Laura = L

L = ?

E/S

$$D + L = 250$$

$$D = \boxed{L + 40}$$

$$L + 40 + L = 250$$

$$2L + 40 = 250$$

$$\begin{array}{r} -40 \\ -40 \end{array}$$

$$\frac{2L = 210}{2} \quad \frac{210}{2}$$

$$\boxed{L = 105 \text{ hrs}}$$