

From (1)  $a + 2b = 17.416$  (4) (1)  
 $4a - 17.06b = -118.868$  (5)

(5) - (4)  $\times 4$   
 $-25.06b = -188.532$

$$b = 7.523$$

$$a = 17.416 - 2 \times 7.523$$
$$= 2.37$$