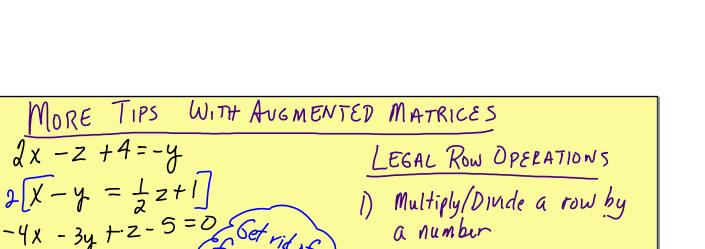


 $\begin{bmatrix} 1 & 4 & 7 \\ 2 & 3 & -5 \end{bmatrix} - 2R_1 + R_2 - R_2$ 0-5

Solve. 
$$7 \times -2y = -71$$
  
 $2 \times +8y = 14$   
 $7 - 2 : -71$   
 $2 \times -2i = -71$   
 $1 - 2i = -113$   
 $2 \times -2i = -113$   
 $3 \times -$ 



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A vending machine accepts nickels, dimes, and quarters. At the end of a week, there is a total of  
\$536 in the machine. The number of nickels and dimes combines is 360 more than the number of  
quarters. The number of quarters is 110 more than twice the number of nickels. How many of  
each type of coin are in the machine?  

$$0.05 \times + 0.10 \text{ y} + 0.25 \text{ z} = 536$$
  
 $\chi + \text{ y} = 360 + \text{ z}$   
 $z = 110 + 2 \text{ x}$   
 $0.05 \times + 0.10 \text{ y} + 0.25 \text{ z} = 536$   
 $\chi + \text{ y} = 2 \text{ abol} + \text{ z}$   
 $z = 110 + 2 \text{ x}$   
 $0.05 \times + 0.10 \text{ y} + 0.25 \text{ z} = 536$   
 $\chi + \text{ y} - \text{ z} = 360$   
 $-2 \chi + 0 \text{ y} + 2 = 110$   
 $1 \quad (-1 \quad 360) - 5\text{ h} + \text{ R}^2$   
 $1 \quad (-1 \quad 360) - 5\text{ h} + \text{ R}^2$   
 $1 \quad (-1 \quad 360) - 5\text{ h} + \text{ R}^2$   
 $1 \quad (-1 \quad 360) - 5\text{ h} + \text{ R}^2$   
 $1 \quad (-1 \quad 360) - 5\text{ h} + \text{ R}^2$   
 $2 = 1/300 \text{ quarters}$   
 $\chi + \text{ y} - \text{ z} = 360$   
 $\chi + 0 \text{ y} + 42 = 1/10$   
 $\chi + 0 \text{ y} + 2 = 1/10$   
 $\chi + 0 \text{ y} + 2 = 1/10$   
 $\chi + 0 \text{ y} + 2 = 1/10$   
 $\chi + 0 \text{ y} - 2 = 360$   
 $\chi + 0 \text{ y} - 2 = 360$   
 $\chi + 0 \text{ y} - 2 = 360$   
 $\chi + 1180 - 1530 \text{ guarters}$   
 $\chi = 710 \text{ middls}$