



Pair of Linear Equations in Two variables Ex 3.1 Q7

Answer :

Let the cost of 1 kg of apples be Rs x .

And, cost of 1 kg of grapes = Rs y

According to the question, the algebraic representation is

$$2x + y = 160$$

$$4x + 2y = 300$$

For $2x + y = 160$,

$$y = 160 - 2x$$

The solution table is

x	50	60	70
y	60	40	20

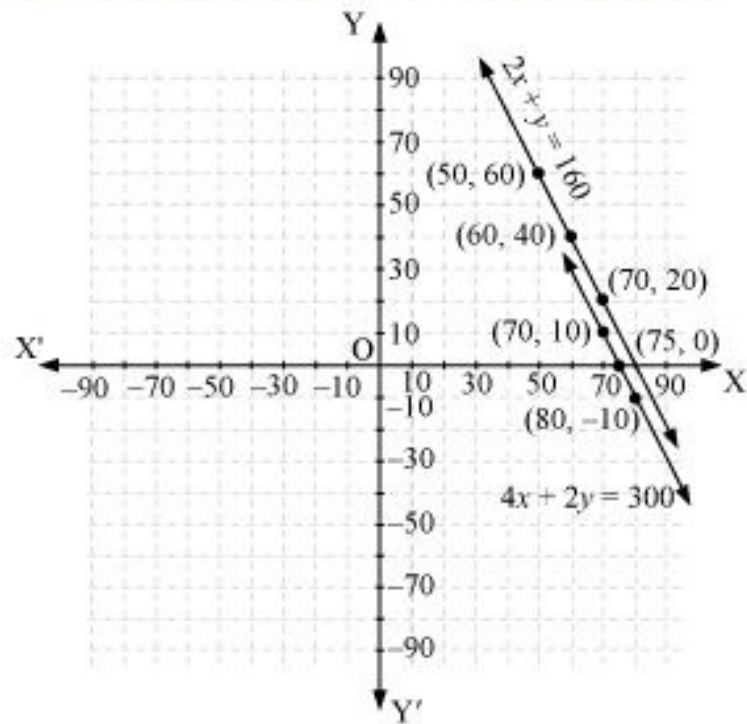
For $4x + 2y = 300$,

$$y = \frac{300 - 4x}{2}$$

The solution table is

x	70	80	75
y	10	-10	0

The graphical representation is as follows.



***** END *****