

A.6 exercises

- 50) \$90 to transport to Boston
 \$80 to transport to New York City
 \$4000 is spent in transport costs

X - represents the number of cars transported to Boston

y - represents the number of cars transported to New York City.

$$\begin{array}{r} 90x + 80y = 4000 \\ -90x -90x \\ \hline 80y = -90x + 4000 \\ \div 80 \div 80 \\ \hline y = -1.125x + 50 \end{array}$$

x	y
0	50
8	41
16	32
24	23
32	14
40	5

If the number of cars transported to Boston increases by 8, then for the total cost to remain the same, fewer cars can be transported to New York City.