## HAT

## 9/11/17

## 3.5 & 3.6 Matrix Operations









Example #4:

Mr. Kohmetcher is planning his birthday party for 100 of his closest friends. He will need to rent 100 chairs, 12 tables, and 2 tents. There are two rental shops nearby that rent all these items but they have different prices as shown in the matrix.

ſ	Weinhardt	Sun Rental
Chairs	\$2.25	\$3
Tables	\$6.50	\$10
Tents	\$385	\$325

Put the information about how many chairs, tables, and tents into a row matrix. **Chairs tables texts** 

Use matrix multiplication to find a matrix that shows the total cost of renting all the equipment from each of the two shops.

$$\begin{array}{c} C & TA & TE \\ 100 & 12 & 2 \\ \hline 1 \times (3) \\ \hline 1 \times$$

 $\frac{100(2.25) + 12(6.50) + 2(385) = 1073}{100(3) + 12(10) + 2(325) = 1070}$ 





