## 10.4 (part 2) SHOW WORK! #17-22, 33,34,36, 43-46, 54-56

## $\rightarrow$ CHECK ODD ANSWERS IN BOOK

## **CHECK EVEN ANSWERS BELOW:**

no solution, dimension mismatch not possible, dimension mismatch

95 students slept more than 7 hours 96 students slept less than 4 hours 103 students slept 4 to 7 hours \$1690 total food sales in Long Beach \$4690 total food sales in Santa Monica \$13,210 total food sales in Anaheim

## HINTS:

 $A \cdot B \neq B \cdot A$  when multiplying matrices

- #17-22→ solve for X first, then substitute each matrix and simpify
- #33 $\rightarrow$ A<sup>2</sup> = A·A so set up like this: [] · []
- #36a  $\rightarrow$  DB + DC is equivalent to D(B + C) (this form is easier to solve  $\uparrow$ )

 $#36b \rightarrow BF + FE = F(B + E)$ 

#43-46 set like parts equal to each other, then solve the resulting equations