Advanced Algebra 2   Name _____

Matrix addition and subtraction practice

Consider the following baseball statistics from last season for two successive weeks.

Week 1	At bats	Runs	Hits	HR's	RBI's	Pct.
M. Cabrera	204	32	72	12	38	.353
D. Ortiz	174	33	60	4	20	.345
M. Trout	213	39	73	3	15	.343

Week 2	At bats	Runs	Hits	HR's	RBI's	Pct.
M. Cabrera	228	34	81	12	39	.355
D. Ortiz	190	35	65	4	23	.342
M. Trout	234	45	81	5	20	.346

a. Subtract these two matrices to find and label another matrix that displays the changes in the statistics over the week's time.

b. Compute the batting averages (Pct.) for each player for the week and add this information as a seventh column in your matrix. (Divide hits by at bats to find batting average)

c. What player appears to have had the best week? Why?