

RHP Computer Applications Class

13-3 RWA: Rating NFL Quarterbacks Name _____



NFL quarterbacks are rated for the efficiency according to certain stats and a formula. The formula that is used is:

$$\text{Rating} = [25 + 10(\% \text{ Completions}) + 40*(\% \text{ TD}) - 50(\% \text{ Interceptions}) + 50(\text{YD/Att})]/12$$

It is possible to enter the above formula in one cell, but it can be tricky and complicated. If you want to try it, go ahead. If you want to break the formula into smaller pieces, that's OK too; just make sure you have the rating listed at the far right.

- % Completions = Completions/Attempts*100
- % TD = TD's/Attempts*100
- % Interceptions = Interceptions/Attempts*100
- YD/Att = Yards/Attempts

Make sure to include the factors (% Completions * 10, etc) in your formula. The last step is to divide by 12, so be careful with your parenthesis. If you can't get it to work, divide the problem into little pieces, and add them all together at the end.

This is a difficult assignment! Good luck!

Here are the career stats for some selected QB's for the 2007 season. Enter the table below in a spreadsheet, calculate the QB rating, and sort the information by rating so that the best QB ends up at the top.

Passing Leaders													
	NAME	COM	ATT	PCT	YDS	YPA	LNG	TD	TD%	INT	INT%	SK	SYD
1	Tom Brady QB, NWE	398	578	68.9	4806	8.32	69	50	8.7	8	1.4	21.0	128
2	B. Roethlisberger QB, PIT	264	404	65.3	3154	7.81	83	32	7.9	11	2.7	47.0	347
3	D. Garrard QB, JAC	208	325	64.0	2509	7.72	59	18	5.5	3	.9	21.0	99
4	P. Manning QB, IND	337	515	65.4	4040	7.85	73	31	6.0	14	2.7	21.0	124
5	Tony Romo QB, DAL	335	520	64.4	4211	8.10	59	36	6.9	19	3.7	24.0	176
6	B. Favre QB, GNB	356	535	66.5	4155	7.77	82	28	5.2	15	2.8	15.0	93
7	J. Garcia QB, TAM	209	327	63.9	2440	7.46	69	13	4.0	4	1.2	19.0	104
8	M. Hasselbeck QB, SEA	352	562	62.6	3966	7.06	65	28	5.0	12	2.1	33.0	204
9	D. McNabb QB, PHI	291	473	61.5	3324	7.03	75	19	4.0	7	1.5	44.0	227
10	K. Warner QB, ARI	281	451	62.3	3417	7.58	62	27	6.0	17	3.8	20.0	140

Save the spreadsheet as **13-3 RWA**. Email this file to me with the subject line **Compapp 13-3 lastname**.