2, Solution 6.79, revise the lower limit of the last integral: $\int_{0.7}^{0.8} (q^4 - q^5)\ dq\ / 0.01407 =$

3, Q. 6.44b: **a** = 5

3, page 308: The mean of a Beta Distribution is: **a / (a + b)**. Thus the mean of the prior Beta is 4**/(4+3) = 0.571**, while the mean of the posterior Beta is **9/(9+11) = 0.45**.

6, solution 3.11:
We take the product and normalize so that the sum is one:

p	$p^3(1- p)^2$	Prior	Product	Normalized
0.6	0.03456	0.2500	0.00864	**0.4377**
0.7	0.03087	0.1667	0.00515	0.2606
0.5	0.03125	0.1250	0.00391	0.1979
0.8	0.02048	0.1000	0.00205	0.1038
Total			0.01974	1.0000

0.00864/0.01974 = **0.4377**.