Review Exercises (page 700)

Q.10 A statistics instructor wishes to see whether is a relationship between the number of homework exercises a student completes and her or his exam score. Find the Spearman rank correlation coefficient.
    A.2

Homework	R_h	Exam	R_e	$d = R_h - R_e$	d^2
63	5	85	5	0	0
55	3	71	2	1	1
58	4	75	4	0	0
87	7	98	8	-1	1
89	8	93	7	1	1
52	2	63	1	1	1
46	1	72	3	-2	4
75	6	89	6	0	0
100	9	100	9	0	0
					$\sum d^2 = 8$

$$r_s = 1 - \frac{6(8)}{9(9^2 - 1)} = 0.933$$