Homework makes up a hefty 20% of the grade. These problems are taken from
the textbook "Probability and Statistics for Engineering and the Sciences,
8th ed.," by Jay L. Devore, Brooks / Cole 2012. All starred (*) problems are
to be turned in. Homework from Wednesday, Friday and Monday will be due Friday.
Late homework that is up to one week late will receive half credit. Homework
that is more than one week late will receive no credit at all.

The homework reader is Sungchan Choi. His email is: imsanean@hotmail.com
Homework that is placed in the reader's mailbox before 5:00pm Friday will be
considered on time. His mailbox is in JWB 228 in the back corner.

Your solutions must be self-contained. Please copy or paraphrase the problem.
Your solutions must include some explanation. The answers given in the back
or in the solutions manual will not be adequate. You will not receive any points
just for copying the solution from the manual.

SCHEDULE

        M = Midterm Day
        Q = Quiz day

 Day   Section Topic   Problems
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to be handed in Friday, Aug. 24.

M, Aug. 20   1.1-2   Terminology, Tabular Meth.   24[10,12*,18*,24*,26*]

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to be handed in Friday, Aug. 31

W   22   1.3   Measures of Location   34[33*,35*,38*,41*]

F   24   1.4   Measure Variability   43[44*,50*,51,56,60*,69*]

M   27   2.1-2   Sample Space, Prob Axioms   54[2*,6*,8*,9*],
                                                    62[12,13*,18*,20*,22*,26]

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to be handed in Friday, Sept. 7.

W   29 Q   2.3   Counting   71[32*,34*,36*,38,40,42*,44]

F   31   Probability Problems   88[90,92,95*]

M Sept. 3   * * *   Labor Day Holiday * * *

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to be handed in Friday, Sept. 14.

W   5   2.4   Conditional Prob.   80[48*,49*,51*,62*,68],
                                                    88[104*]

F   7   2.5   Independence   86[74*,75*,76*,78*,80*]

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to be handed in Friday, Sept. 21.

M   10   3.1-2   Discrete Random Vars.   95[1*,8*], 104[12*,16*,17*,21,24*]

W   12 M   FIRST MIDSEMESTER EXAM

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F       14      3.3     Expected Value          113[32*,33*,35*,36*,37,41*]

M       17      3.4     Binomial Dist.          120[47*,50*,51*,52*,57*,58*,63*]

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to be handed in Friday, Sept. 28.

W       19      3.5     Hypergeometric Dist.    127[68*,72*,75*]

F       21      3.6     Poisson Dist.           132[79,80,81*,86*,89*,90*]

M       24      4.1     Continuous R. V.'s      142[1*,2*,4*,6*]

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to be handed in Friday, Oct. 5.

W       26 Q    4.2     Cumulative Dist. Fn.    150[12*,18*,26*]

F       28      4.3     Normal Dist.            162[34*,37*,38*,45*,53*]

M, Oct.  1      4.4     Exp & Gamma Dist.       170[60*,66*,67*]

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to be handed in Friday, Oct. 19.

W        3      4.5     Other Distributions     177[73*,77*,84*]

F        5      4.6     Probability QQ-Plots    187[88*,91*]

M        8      * * * * * * * * * * * * * * * *
W       10      * * *  Fall  Break  Holiday   * * *
F       12      * * * * * * * * * * * * * * * *

M       15      5.1     Jointly Dist. R.V.'s    203[1*,6*,10*]


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to be handed in Friday, Oct. 26.

W       17 M            SECOND MIDSEMESTER EXAM

F       19      5.2     Covariance & Correlation 211[22*,25*,26*,30*]

M       22      5.3     Statistics & their Dists. 222[38*,41*,44*]

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to be handed in Friday, Nov. 2.

W       24      5.4     Sample Mean Dist.       229[46*,47*,51*,53*,55*]

F       26      5.5     Dist. of Lin. Comb.     233[59*,61*,69*,72*]

M       29      6.1     Point Estimation        252[1*,3*,8*,13*]

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to be handed in Friday, Nov. 9.

W       31 Q    7.1     Confidence Intervals    275[3*,5*,7*,9*,11*]

F,  Nov. 2      7.2     C. I. for Pop. Mean     283[13*,15*,17*,19*,21*]

M        5      7.3     Intervals for Normal Pops. 292[30*,32*,33*,35*,37*]

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to be handed in Friday, Nov. 16.

W        7      7.4     C. I. for Variance & S. D.  296[44*,46*]
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F	9	8.1	Hypothesis Testing	308[7*,9*,11*]
M	12	8.2	Tests about Pop. Mean	320[19*,21*,23*,25*,29*,31*]

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to be handed in Friday, Nov. 30.

W	14 M		THIRD MIDSEMESTER EXAM	
F	16	8.3	Tests about Pop. Prop.	327[37*,39*,40*,42*]
M	19	8.4	P-Values	337[50*,52*,54*,59*]
W	21	8.5	Selecting a Test	341[63*]
F	23	* * *	Thanksgiving Day Holiday * * *	
M	26	9.1	Z-Test*, Compare two means	354[3*,5*,7*,9*,13*]

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to be handed in Friday, Dec. 7.

W	28 Q	9.2	Two-Sample t-Test	362[21*,23bc*,25*,28*,33*]
F	30	9.3	Paired Data	371[39*,40*,43*]
M,	Dec. 3	9.4	Compare Two Proportions	380[49*,52*,53*,55*]
W	5	9.5	Compare Two Variances	385[63*,65*]
F	7		Review	

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T, Dec. 11 F   FINAL EXAM   8:00 - 10:00 AM, in BEH S 114