

ASSIGNMENT SHEET

Class A.P. Statistics

Name _____

Quiz/Notebook Due Dates: Friday, Dec. 8, 15

Unit # 6

Period _____

Unit Title: Random Variables

Date Assigned	Lesson Number	MAIN IDEAS (Topics & Learning Targets)	In-class points (preparedness, WU, Notes, active learning)	ASSIGNMENT (Practice problems)	Assignment points (complete, work shown)
Fri 12/1	6.1a	Discrete & Continuous Random Variables <ul style="list-style-type: none"> • Use a probability distribution to answer questions about possible values of a random variable. • Calculate the mean of a discrete random variable, and interpret it in context. • Calculate the standard deviation of a discrete random variable, and interpret it in context. • Find probabilities using Normal random variables. 		6.1a: #2-3, 5, 7, 10-11, 13, 27-30	
Mon 12/4	6.1b			6.1b: #14-15, 17-18, 20-21, 24-25, 31-34	
Tues 12/5	6.2a	Transforming & Combining Random Variables <ul style="list-style-type: none"> • Describe the effects of transforming a random variable by adding or subtracting a constant and multiplying or dividing by a constant. • Find the mean and standard deviation of the sum or difference of independent random variables. • Determine whether two random variables are independent. • Find probabilities involving the sum or difference of independent Normal random variables. 		6.2a: #36-37, 39-41, 43, 45, 67	
Wed 12/6	6.2b			6.2b: #47-49, 51-52, 56-58, 68	
Thurs 12/7	6.2c			Review: R.6.1-4 (p. 408) T6.1-6, 11a-c, 13 (p. 409) + write weekly summary!	
Fri 12/8	Quiz 6.1-2	What am I good at in this week? What do I still need to work on? Goal(s) for next week:	Weekly summary	6.2c: #59, 62-66	

Date Assigned	Lesson Number	MAIN IDEAS (Topics & Learning Targets)	In-class points (preparedness, WU, Notes, active learning)	ASSIGNMENT (Practice problems)	Assignment points (complete, work shown)
Mon 12/11	6.3a	Binomial & Geometric Random Variables <ul style="list-style-type: none"> Determine whether the conditions for a binomial random variable are met. Compute and interpret probabilities involving binomial distributions. Calculate the mean and standard deviation of a binomial random variable. Interpret these values in context. Find probabilities involving geometric random variables. Calculate the mean and standard deviation of a geometric random variable. 		6.3a: #69-71, 73, 75, 77, 79, 106	
Tues 12/12	6.3b			6.3b: #82, 84, 86-87, 92, 94, 103-105	
Wed 12/13	6.3c		Shopping day: see handout for notes!	6.3c: #96-97, 99, 101-102, 107	
Thurs 12/14	Review	What am I good at in this chapter? What do I still need to work on? Goal(s) for next chapter:	Delivery day: see handout for notes!	Review: R6.5-8 (p. 408) T6.7-10, 11d, 12, 14 (p. 410) + write weekly summary!	
Fri 12/15	Quiz 6.3		Weekly summary	No new homework over Break; catch up if needed! 😊	