

# AP Statistics –

## CHAPTER 7 (RANDOM VARIABLES)

Read: pp. 351-440 and complete "Chapter 7 Random Variables Vocabulary Journal"

✓ Assignment	5-6(O)	1-2(B)
<i>Chapter 6 Test</i>	12/4	12/5
<b>HW:</b> * Read Section 7.1 Intro to Random Variables (RV's) (pp 351-354) * <b>7.1 HW</b> - #'s 7.1-7.2, 7.5, 7.7	12/4	12/5
	<i>DUE Next Class</i>	
<b>HW: Discrete and Continuous RVs</b> * Read Section 7.2 Probability Distributions for <u>Discrete</u> RVs (pages 355-359) * Read Section 7.3 Probability Distributions for <u>Continuous</u> RVs (pages 355-359) * <b>HW</b> – 7.2 & 7.3 handout	12/6	12/7
	<i>DUE Next Class</i>	
<b>HW: Linear Transformations and Combining RVs</b> * Read Section 7.4 Mean and Standard Deviation of RV's (pages 366-372) * Read Section 7.6 Normal Distributions (pages 355-359 – this is a review of z-scores) * <b>HW</b> – 7.4 handout #s 24-26,37, 39-43, 49, 50,-52, 57-59, 61, 63	12/10	12/11
	<i>DUE 12/18</i>	<i>DUE 12/19</i>
<b>HW:</b> * Finish 7.4 handout * <b>Read Section 7.5 Binomial and Geometric Distributions</b> (pages 380-389)	12/12(½ day)	12/13
	<i>DUE Next Class</i>	
<b>HW: 7.5 Binomial Distributions</b> * <b>HW</b> – 7.5B handout #s 69,70,73,74,75,77,79,81,83,85,87,89	12/14	12/17
	<i>DUE Next Class</i>	
<b>HW: Geometric and Normal Distributions</b> * <b>HW</b> – 7.5G handout #s 90 to 93, 95 to 99, 106, 107	12/18	12/19
	<i>DUE Next Class</i>	
7.5 Wrap Up Binomial and Geometric Distributions * <b>ACTIVITY: The 12 Days of Christmas</b> * <b>HW – Cumulative Take Home Test</b> (Chapters 1-6)	<b>Due January 2<sup>nd</sup></b>	
Chapter 7 Wrap Up * <b>ACTIVITY: Review Exercise</b> * <b>HW</b> – Chapter 7 Practice Test	1/2	1/3
	<i>DUE Next Class</i>	
<b>Chapter 7 Test</b> 1) 12 multiple choice – 3 pts each (36 points) 2) Short Answer (50 points)	1/4	1/7

**Midterm:** NO Midterm Review; Covers Chapters 1-7; 40 multiple choice (3 points each – OMIT 6–  
Tip: make multiple passes through the test)