Fourth Quarter Assignments
IB Precalculus

Tues., Mar. 11 **Test, Ch. 8, pt. 1**	*Goals* *Assignment*	Calculate probability in a variety of situations, using correct vocabulary and notation. **Test, Probability, part 1**
W-Th, Mar. 12-13 **Test, Ch. 8, pt. 2** §12.1	*Goals* *Assignment*	Calculate probability in a variety of situations, using correct vocabulary and notation. **Test, Probability, part 2; §12.1** 1, 5, 6abc
Fri., Mar. 14 **Early release activity day (A)** **End of third quarter**	*Goals* *Assignment*	Solve problems from the Geometry and Trigonometry section of the IB Math A&A syllabus. Seventh period students not at an activity can use this time to work on the worksheet.
Mon., Mar. 24 §12.1; Geom & Trig 2 ws due	**IB Geometry and Trig 2 worksheet due** *Goals* *Vocabulary* *Assignment*	 Calculate probability in a variety of situations, using correct vocabulary and notation. Differentiate between continuous and discrete random variables. Use general probability distributions. random variable, discrete, continuous, probability distribution, expected value, fair game, variance of a probability distribution, standard deviation of a probability distribution **§12.1** 10, 14, 18 **IB Statistics worksheet** assigned, due Wed.-Thurs., Apr. 9-10
Tues., Mar. 25 §12.2	*Goals* *Vocabulary* *Assignment*	Calculate probability using the binomial distribution. binomial distribution, binomial experiment **§12.2** 2abcd
W-Th, Mar. 26-27 §12.2	*Goals* *Assignment*	Calculate probability using the binomial distribution. **§12.2** 2e, 5, 7, 8 **Note:** In #5, starting with part (c), the question is referring to the "with replacement" version of the scenario. Use correct notation to set up the distributions and write the probability statements.
Fri., Mar. 28 §12.2	*Goals* *Assignment*	Calculate probability using the binomial distribution. **§12.2** 12, 13
Mon., Mar. 31 §12.3	*Goals* *Vocabulary* *Assignment*	Calculate probability using the normal distribution. probability density function, normal probability distribution, inverse normal distribution **§12.3** 1 Do #1 *without* a calculator, estimating as necessary.
Tues., Apr. 1 §12.3	*BEST writing test, only 1, 5, 6, 7 meet* *Goals* *Assignment*	 Calculate probability using the normal distribution. **§12.3** 3, 8, 20
W-Th, Apr. 2-3 §12.3	*Goals* *Vocabulary* *Assignment*	Use z-scores to find missing means and standard deviations for normally distributed data. z-score, standard value, standard normal distribution **§12.3** 12, 15, 22
Fri., Apr. 4 Review	*Goals* *Assignment*	Calculate probability using various distributions. Study for the test.
Mon., Apr. 7 **Test, Ch. 12, pt. 1**	*Goals* *Assignment*	Calculate probability using various distributions. **Test, Probability Distributions, part 1**
Tues., Apr. 8 **Test, Ch. 12, pt. 2**	*Goals* *Assignment*	Calculate probability using various distributions. **Test, Probability Distributions, part 2**
W-Th, Apr. 9-10 IA scoring overview; Stats ws due	**IB Statistics worksheet due** *Goals* *Assignment*	 Understand the scoring criteria for IB Mathematics A&A SL internal assessment. Read the first three scored explorations and fill out the survey about them. **IB Probability worksheet** assigned, due Friday, Apr. 25
Fri., Apr. 11 IA scoring 1	*Goals* *Assignment*	Correctly assess IB Mathematics A&A explorations according to the assessment criteria. Finish scoring the first three sample explorations by Thursday evening, Apr. 17.
Mon., Apr. 14 **Vocab posttest**, IA scoring 1 time	*Goals* *Assignment*	Demonstrate mastery of precalculus vocabulary. Correctly assess IB Mathematics A&A explorations according to the assessment criteria. **Vocabulary posttest;** finish scoring the first three sample explorations by Thursday evening.
Tues., Apr. 15 Proofs	*SAT for all juniors, only 2, 1, 3, 4 meet* *Goals* *Assignment*	 Demonstrate an understanding of the nature of proof and an ability to prove simple statements. **Proofs**, due on Wed./Thurs., Apr. 23-24
Wed., Apr. 16 (C) Proofs	*Goals* *Assignment*	Demonstrate an understanding of the nature of proof and an ability to prove simple statements. **Proofs**, due on Wed./Thurs., Apr. 23-24
Thurs., Apr. 17 (C) **Activity day**	**The first set of scored papers must be done by midnight at the end of the day Thursday.** *Goals* *Assignment*	 Demonstrate an understanding of the nature of proof and an ability to prove simple statements. Correctly assess IB Mathematics A&A explorations according to the assessment criteria. Students not at an activity can use this time to work on upcoming assignments.
Mon., Apr. 21 IA scoring 2	*Goals* *Assignment*	Correctly assess IB Mathematics A&A explorations according to the assessment criteria. Score the last three sample explorations, due Thursday evening, May 1.
Tues., Apr. 22 IA scoring 2 time	*Goals* *Assignment*	Correctly assess IB Mathematics A&A explorations according to the assessment criteria. Score the last three sample explorations, due Thursday evening, May 1.

W-Th, Apr. 23-24
Plagiarism certification,
     exploration plan;
     proofs ws due
	Proofs due at the beginning of class.
	Goals
	Assignment
		
		Write an acceptable plan for the mathematical exploration. Demonstrate your ability to avoid plagiarism.
		Exploration plan due online May 23; plagiarism certification must be completed by May 8

Fri., Apr. 25 Probability ws due	**IB Probability worksheet due** *Goals* Correctly assess IB Mathematics A&A explorations according to the assessment criteria. *Assignment* Score the last three sample explorations, due Thursday evening, May 1.
Mon., Apr. 28 Practice second semester exam	*Goals* Assess your readiness for the second semester exam. *Assignment* **Second semester review worksheet** given in class as a practice test; corrected version is due Mon., May 19
Tues., Apr. 29 Practice exam; ***bring*** ***your calculator***	**You must bring your own graphing calculator today.** *Goals* Assess your readiness for the second semester exam. *Assignment* **Second semester review worksheet** given in class as a practice test; corrected version is due Mon., May 19
For the next couple of weeks, when you are in class, there will be a list of things coming due to work on. The plagiarism certification must be completed by May 8, the corrected practice exam by May 19, the exploration plan by May 23, the advice essay to next year's precalculus students by May 23. When you are out for an AP exam, there is nothing special to make up beyond that list of tasks.
W-Th, Apr. 30-May 1 IA scoring time; scoring 2 due	*Wednesday pm: IB Business Management* ***Thursday is US History EOC, only 4, 2, 6 meet (long 4th pd)*** **The second set of scored explorations must be done by midnight at the end of the day Thursday.** *Goals* Correctly assess IB Mathematics A&A explorations according to the assessment criteria. *Assignment* Score the last three sample explorations, due Thursday evening, May 1.
Fri., May 2 IB exams	*am: IB Business Management*
Mon., May 5 IB and AP exams	***Biology EOC, only 5, 1, 2, 3 meet*** *am: AP Biology*
Tues., May 6 IB and AP exams	*am: AP Chemistry, AP Human Geo* *pm: AP US Gov't*
W-Th, May 7-8 Plagiarism certification due end of day May 8 IB and AP exams	***Wednesday is FAST reading PM3, only 1, 5, 7 meet*** **Plagiarism certification must be sent to me directly from IU by the end of the day Thursday.** *Wednesday am: AP English Lit; pm: AP Computer Science A* *Thursday am: AP Statistics; pm: AP World History*
Fri., May 9 IB and AP exams	*am: AP US History* *pm: AP Macroeconomics*
Mon., May 12 IB and AP exams	*am: AP Calculus (so all IB precalculus students should be in class)*
Tues., May 13 IB and AP exams	***Geometry EOC, only 6, 5, 4, 7 meet*** *am: AP Precalculus* *pm: IB World Religions, AP Environmental Science*
W-Th, May 14-15 IB and AP exams	*Wednesday am: IB World Religions* ***Thursday is Algebra 1 EOC, only 2, 4, 6 meet*** *Thursday am: AP Art History; pm: AP Computer Science Principles*
Fri., May 16 IB and AP exams	*am: AP Physics*
Mon., May 19 Exam review	**Corrected practice exam is due at the beginning of class today.** *Goals* Demonstrate mastery of the non-calculus parts of the IB Math A&A SL curriculum. *Assignment* Write the reflective essay; study for the semester exam
Tues., May 20 Exam review	*Goals* Demonstrate mastery of the non-calculus parts of the IB Math A&A SL curriculum. *Assignment* Write the reflective essay; study for the semester exam
W-Th, May 21-22 Second semester exam	*Goals* Demonstrate mastery of the non-calculus parts of the IB Math A&A SL curriculum. *Assignment* **Second Semester Exam**; write the essay **Essays and exploration plans are due on online by Friday evening.**
Fri., May 23 Exam debrief; essay due	**Both the exploration plan and the advice to next year's precalculus students must be submitted by the end of the day Friday.** *Goals* Communicate your exploration topic and advise others on theirs. *Assignment* Exploration discussion; you will tell your classmates about your plan, answer questions about it, and listen to thoughtful suggestions.
Tues., May 27 Explorations discussion	*Goals* Communicate your exploration topic and advise others on theirs. *Assignment* Exploration discussion; you will tell your classmates about your plan, answer questions about it, and listen to thoughtful suggestions.
W-Th, May 28-29 **Thurs early release end of semester** Explorations discussion	*Goals* Communicate your exploration topic and advise others on theirs. *Assignment* Exploration discussion; you will tell your classmates about your plan, answer questions about it, and listen to thoughtful suggestions.