

Fourth Quarter Assignments

IB/AP Calculus AB

W-Th, Mar. 5-6 AP MC no calculator practice exam , Number & algebra, functions	The entire review unit counts on the fourth quarter. <i>Goals</i> Determine what Number & Algebra and Functions topics you need to know for the IB exam. <i>Assignment</i> Practice Exam, AP Calculus AB multiple choice section, no calculator; Number & Algebra, Functions worksheet Despite the name, review worksheets are electronic, found on Schoology.
Fri., Mar. 7 Geometry & trig	<i>Goals</i> Determine the geometry and trigonometry topics you need to know for the IB exam. <i>Vocabulary</i> amplitude, period <i>Assignment</i> Geometry and Trigonometry worksheet (due Tuesday)
Mon., Mar. 10 Geometry & trig; AP Quiz 7	<i>Goals</i> Determine the geometry and trigonometry topics you need to know for the IB exam. <i>Assignment</i> AP Quiz 7; Geometry and Trigonometry worksheet
Tues., Mar. 11 Probability	<i>Goals</i> Decide what probability topics you need to know for the IB exam. <i>Vocabulary</i> independent, mutually exclusive, conditional probability, intersection, union <i>Assignment</i> Probability and the Binomial Distribution worksheet (due next Tuesday)
W-Th, Mar. 12-13 AP Free Response practice exam	<i>Goals</i> Determine the areas of AP Calculus that need the most review before the exam in May. <i>Assignment</i> Practice Exam, AP Calculus free response section
Fri., Mar. 14 Activity day, early release End of third quarter	<i>Goals</i> Determine the areas of AP Calculus that need the most review before the exam in May. <i>Assignment</i> Make a plan to improve your understanding of AP calculus topics
Mon., Mar. 24 Probability	<i>Goals</i> Decide what probability topics you need to know for the IB exam. <i>Assignment</i> Probability and the Binomial Distribution worksheet
Tues., Mar. 25 Statistics	<i>Goals</i> Determine what statistics topics you need to know for the IB exam. <i>Vocabulary</i> cumulative frequency, interquartile range <i>Assignment</i> Statistics and The Normal Distribution worksheet (due Monday)
W-Th, Mar. 26-27 Statistics, calculus (IB)	<i>Goals</i> Determine what statistics and calculus topics you need to know for the IB exam. <i>Assignment</i> Statistics and The Normal Distribution worksheet (due Monday); Calculus (BAT only) worksheet
Fri., Mar. 28 AP MC calculator practice exam	<i>Goals</i> Determine the areas of AP Calculus that need the most review before the exam in May. <i>Assignment</i> Practice Exam, AP Calculus AB multiple choice section, calculator-active
Mon., Mar. 31 Limits & continuity	<i>Goals</i> Find limits algebraically, numerically, and geometrically. <i>Assignment</i> Limits and Continuity (AP Calc AB unit 1) worksheet
Tues., Apr. 1 Vocab posttest , Derivatives	<i>Goals</i> Differentiate functions using definition of derivative, product, quotient and chain rules, and implicit differentiation. <i>Assignment</i> Vocabulary posttest; Derivatives (AP Calc AB units 2 and 3) worksheet (due next Monday)
W-Th, Apr. 2-3 IB Paper 1 practice exam	<i>Goals</i> Evaluate your preparation for the IB Mathematics A&A SL exam. <i>Assignment</i> Practice Exam, IB Mathematics A&A SL paper 1, no calculator
Fri., Apr. 4 Limits posttest, Derivatives	<i>Goals</i> Differentiate functions using definition of derivative, product, quotient and chain rules, and implicit differentiation. <i>Assignment</i> Limits posttest; Derivatives worksheet (due Monday)
Mon., Apr. 7 Appl. Derivatives	<i>Goals</i> Use derivatives to solve a variety of problems including optimization and related rates. <i>Assignment</i> Applications of Derivatives (AP Calc AB units 4 and 5) worksheet (due Friday)
Tues., Apr. 8 Appl. Derivatives	<i>Goals</i> Use derivatives to solve a variety of problems including optimization and related rates. <i>Assignment</i> Applications of Derivatives worksheet (due Friday)
W-Th, Apr. 9-10 IB Paper 2 practice exam	<i>Goals</i> Evaluate your preparation for the IB Mathematics A&A SL exam. <i>Assignment</i> Practice Exam, IB Mathematics A&A SL paper 2, with calculator
Fri., Apr. 11 Integrals	<i>Goals</i> Integrate functions using Riemann sums and antidifferentiation techniques. <i>Vocabulary</i> Riemann sum, limits of integration, integrand <i>Assignment</i> Integrals (AP Calc AB unit 6) worksheet (due next Tuesday)
Mon., Apr. 14 Integrals	<i>Goals</i> Integrate functions using Riemann sums and antidifferentiation techniques. <i>Assignment</i> Integrals worksheet
T-W, Apr. 15-16 Appl. Integrals	<i>Goals</i> Solve problems involving integration techniques and applications of integration. <i>Vocabulary</i> representative rectangle, disc method <i>Assignment</i> Applications of Integrals (AP Calc AB units 7 and 8) worksheet (due next Tuesday)

Thurs., Apr. 17 Activity day	Goals Improve your preparation for the IB and AP exams Assignment Applications of Integrals worksheet (due next Tuesday)
Mon., Apr. 21 Appl. Integrals	Goals Solve problems involving integration techniques and applications of integration. Assignment Applications of Integrals worksheet
Tues., Apr. 22 Paper 1/2 recap	Goals Evaluate your preparation for the IB Mathematics A&A SL exam. Assignment Make a plan for correcting your deficiencies in math A&A SL.
W-Th, Apr. 23-24 Paper 1/2 recap	Goals Evaluate your preparation for the IB Mathematics A&A SL exam. Assignment Make a plan for correcting your deficiencies in math A&A SL.
Fri., Apr. 25 More review for IB, AP	Goals Evaluate your preparation for the IB Mathematics A&A SL and AP Calculus AB exams. Assignment Pass the AP Calculus and IB Math A&A SL exams.
Mon., Apr. 28 Exam logistics	Goals Evaluate your preparation for the IB Mathematics A&A SL and AP Calculus AB exams. Assignment Pass the AP Calculus and IB Math A&A SL exams.
Tues., Apr. 29 More review for IB, AP	Goals Evaluate your preparation for the IB Mathematics A&A SL and AP Calculus AB exams. Assignment Pass the AP Calculus and IB Math A&A SL exams.
During the exam period, I will review with you when you are in class. No assignments are due during this time. After exams end, juniors will get brief introductions to some topics from the next calculus course.	
W-Th, Apr. 30-May 1	<i>Wednesday pm: IB Business Management</i>
Fri., May 2	<i>am: IB Business Management</i>
Mon., May 5	<i>am: AP Biology; pm: IB History</i>
Tues., May 6	<i>am: AP Chemistry, AP Human Geo, IB History; pm: AP US Gov't, IB German</i>
W-Th, May 7-8	<i>Wednesday am: AP English Lit, IB German; pm: AP Computer Science A</i> <i>Thursday am: AP Statistics; pm: AP World History, IB Lang & Lit</i>
Fri., May 9	<i>am: AP US History, IB Lang & Lit; pm: AP Macro</i>
Mon., May 12	<i>am: AP Calculus! pm: IB Biology</i>
Tues., May 13	<i>am: AP Precalculus, IB Biology; pm: APES, IB World Religions</i>
W-Th, May 14-15	<i>Wednesday am: IB World Religions; pm: IB Spanish</i> <i>Thursday am: AP Art History, IB Spanish; pm: AP Computer Science Principles, IB Math!</i>
Fri., May 16 Activity day	<i>am: AP Physics, IB Math! pm: IB Chemistry</i>
The assignments that follow are for juniors only, after their exams have finished.	
Mon., May 19 Polar graphing	<i>am: IB Chemistry</i> Goals Use polar coordinates to locate points. Graph polar functions. Assignment Polar Graphing worksheet
Tues., May 20 Polar graphing	Goals Use polar coordinates to locate points. Graph polar functions. Assignment Produce the coolest polar graph you can and turn in its Desmos link on Schoology
W-Th, May 21-22 Vectors	Goals Use vectors to represent quantities involving magnitude and direction, particularly in the context of motion. Extend calculus concepts to vector-valued functions. Assignment Vectors worksheet
Fri., May 23 Taylor & Maclaurin polynomials	<i>am: AP Physics (late); pm: AP Computer Science Principles (late)</i> Goals Use calculus to help write polynomials that mimic other types of functions. Assignment Taylor and Maclaurin Polynomials worksheet
Tues., May 27 Taylor & Maclaurin polynomials	Goals Use calculus to help write polynomials that mimic other types of functions. Assignment Taylor and Maclaurin Polynomials worksheet
W-Th, May 28-29 Thurs early release, end of semester Improper integrals	Goals Use limits to evaluate integrals of functions with asymptotes. Assignment Improper Integrals worksheet