

ALGEBRA 2 Honors 2017/2018

- SEMESTER 2 DAILY SYLLABUS

Additional resources:

[Khan Academy](#)

[Patrick MJ Videos](#)

Date	In-class	Homework
1/8	<u>Intro to exponential functions - graphing</u>	No hw
1/9	<u>Graphing exponential functions.</u> <u>write equations of exp functions</u>	Finish last page of the worksheet - building functions <u>Key</u>
1/10	<u>Solving simple exponential equations "one-to -one property"</u>	Webassign 5.1. - due Saturday 1-13-2018
1/11	<u>Exponential applications</u>	Webassign 5.1. - due Saturday 1-13-2018
1/12	<u>Exponential applications</u> <u>More practice</u>	Webassign 5.1. - due Saturday 1-13-2018 And finish WS from class <u>Key</u>
1/15	NO SCHOOL	
1/16	<u>Exponential applications - compound continuously</u>	Homework: Webassign 5.1.
1/17	More applications (<u>half-life</u>) and <u>intro to logs</u>	Homework: Webassign 5.2. logs

1/18	5.2. More to logs and graphing logs	Homework: Webassign 5.2. logs
1/19	Review for quiz 5.1. - 5.2.	Homework: Webassign 5.2. Logs Due 1/27 at 11:59 pm And Review for quiz Key
1/22	Quiz 5.1. - 5.2. - no calculator only	Homework: Webassign 5.2. Logs Due 1/27 at 11:59 pm
1/23	Quiz 5.1. - 5.2. - calc only 5.3. Properties of logs	Homework: Webassign 5.2. Logs Due 1/27 at 11:59 pm
5/24	5.3. Partner practice - properties of logs WS for homework	Homework: Webassign 5.3. Properties of logs Logs Key for WS Due 1/27 at 11:59 pm
5/25	5.3. More on log properties	Homework: Webassign 5.3. Properties of logs Logs Key from ws from class Due 1/27 at 11:59 pm
5/26	5.4. Solving log equations	Homework: Webassign 54. Solving log equations Due 2/2 at 11:59 pm Have a great

		weekend.
1/29	5.4.Solving log equations - same WS from Friday	Homework: Webassign 54. Solving log equations Due 2/2 at 11:59 pm
1/30	5.4. Solving log equations - day 2	Homework: Webassign 54. Solving log equations Due 2/2 at 11:59 pm
1/31	More on solving equations - puzzle	Homework: Webassign 54. Solving log equations Due 2/2 at 11:59 pm
2/1	Review for Quiz 5.3. - 5.4.	Homework: Webassign 54. Solving log equations Due 2/2 at 11:59 pm Finish review KEY Review session - TOMORROW morning room 3240 at 7:30 am
2/2	Quiz - 5.3. - 5.4.	Make sure you are done with all webassign homeworks. :) Due 2/2 at 11:59 pm
2/5	5.5. amortization	Take home assignments
2/6	5.5. Word problems (exp and	Key

	log applications)	
2/7	5.5. Log models ad inverse functions Practice Test Unit 5	Key
2/8	Stations - Review Unit 5	Key Take home assignment due tomorrow!!
2/9	SNOW DAY	
2/12	Unit 5 - TEST	RETAKE PACKET

Unit 6 - Trigonometry

[Learning targets](#)

2/13	6.1.Angles and their measure	
2/14	6.1. Radians intro	Bring computer in class tomorrow..
2/15	6.1. Homework - practice with degrees and radians	Finish your 6.1. Webassign.
2/16	6.1. Warm Up	Have a great weekend.
2/19	NO SCHOOL	
2/20	6.2. Day 1 - special right triangles	Homework: Webassign 6.2 Due 2/24 at 11:59 pm
2/21	6.2. Day 2 - special right triangles	Homework: Webassign 6.2 Due 2/24 at 11:59 pm

2/22	6.2. - day 3	Homework: Webassign 6.2 Due 2/24 at 11:59 pm
2/23	6.2. Warm up Trig identities	Homework: Webassign 6.2 Due 2/24 at 11:59 pm
2/26	6.7. Applications with key	Check for understanding Key
2/27	Review.	Finish Review Key Review session - TOMORROW morning room 3240 at 7:30 am
2/28	Quiz 6.1. -6.2. And 6.7.	No hw
3/1	6.3. Unit circle	Homework: Webassign 6.3 Due 3/10 at 11:59 pm
3/2	6.3. Practice	Homework: Webassign 6.3 Due 3/10 at 11:59 pm
3/5	6.3. More challenging problems and equations	Key
3/6	Review for Quiz 6.3. - Bingo More on solving,,,,,	Bingo Key Key - more on solving
3/7	6.3. Quiz	Homework: Webassign 6.3 Due 3/10 at 11:59 pm
3/8	6.4. Graphing sine and cosine -	Homework: Webassign

	day 1	6.4 Due 3/17 at 11:59 pm
3/9	6.4. Graphing sine and cosine - day 2	Homework: Webassign 6.4 Due 3/17 at 11:59 pm Key
3/12	6.4. Graphing sine and cosine	Homework: Webassign 6.4 Due 3/17 at 11:59 pm Key from class
3/13	6.4. More advanced graphing	Homework: Webassign 6.4 Due 3/17 at 11:59 pm Finish WS from class Key
3/14	Matching & write equations of the graphs	Homework: Webassign 6.4 Due 3/17 at 11:59 pm
3/15	Write equations of the sine and cosine graphs	Homework: Webassign 6.4 Due 3/17 at 11:59 pm
3/16	Row game and Review 6.4. only	Homework: Webassign 6.4 Due 3/17 at 11:59 pm Key - row game Key - review 6.4.
3/19	Review for Test - Stations	Finish stations Key - stations Review session - TOMORROW

		morning room 3240 at 7:30 am
3/20	Test - Unit 7 - Trigonometry Unit	Review session - TOMORROW morning room 3240 at 7:30 am No hw
Unit 8 - System of equations <u>Learning targets</u>		
3/21	Test - 2 part (calc o.k.) 9.1. Solving system of equations - linear and nonlinear - substitution	Homework: Webassign 9.1. Due 3/31 at 11:59 pm
3/22	9.1.Solving system of equations - nonlinear - substitution	Homework: Webassign 9.1. Due 3/31 at 11:59 pm
3/23	9.1.- 9.2. Solving system of equations - nonlinear - exponentials,logs. and “preview” to elimination	Homework: Webassign 9.1. Due 3/31 at 11:59 pm
ENJOY YOUR SPRING BREAK!!		
4/2	Welcome back!! 9.2. Elimination and applications	Homework: Webassign 9.2. Due 4/7 at 11:59 pm
4/3	More on applications Review	Homework: Webassign 9.2. Due 4/7 at 11:59 pm

4/4	Review 9.1-9.2 SAT questions	Review Key Homework: Webassign 9.2. Due 4/7 at 11:59 pm
4/5	Quiz 9.1. - 9.2.	Homework: Webassign 9.2. Due 4/7 at 11:59 pm
4/6	9.3. Multivariable Linear System	
4/9	9.3. Day 2	Homework: Webassign 9.3. Due 4/14 at 11:59 pm
4/10	SAT Testing	
4/11	9.3.day 3 - word problems	Homework: Webassign 9.3. Due 4/14 at 11:59 pm
4/12	9.3. Day 4 If you need help with write quadratic equation through 3 points watch the video: Quadratic Equation	Homework: Webassign 9.3. Due 4/14 at 11:59 pm
4/13	9.5. Day 1 - inequalities	Homework: Webassign 9.5. Due 4/21 at 11:59 pm
4/16	9.5. Day 2 - inequalities	Homework: Webassign 9.5. Due 4/21 at 11:59 pm
4/17	Review 9.3. - 9.5. quiz	Key
4/18	9.6. Day 1	Homework: Webassign 9.6.

		Due 4/28 at 11:59 pm Review session - TOMORROW morning room 3240 at 7:30 am
4/19	Quiz 9.3. - 9.5	TBD
4/20	9.6. Day 2 - partner practice	Have a great weekend. Homework: Webassign 9.6. Due 4/28 at 11:59 pm Finish all hw over the weekend for the TEST this week.
4/23	9.6. And Review for Test	Key
4/24	Review for Test	Key More practice?? System of equations (3 by 3) Level 1 - Chapter Review (with key)
4/25	Test - Unit 8 - system of equations	No HW RETAKE PAKET: Chapter Review from book - only odd questions AND Chapter Test from book page 695
Unit 9 - Sequences, Series and Probability		
4/26	Intro to sequences - patterns	Need help with integer sequences?

		Here
4/27	11.1. Sequences and Series Watch those videos about Fibonacci sequences and read from book - page 772. Fibonacci sequence in nature Fibonacci sequence in music Fibonacci sequences and Gold Ration	Homework: Webassign 11.1. Due 5/5 at 11:59 pm Watch videos and learn about Fibonacci sequences.
4/30	11.1. Partner practice	Homework: Webassign 11.1. Due 5/5 at 11:59 pm
5/1	11.2.Arithmetic sequences and partial sums	Homework: Webassign 11.2. Due 5/5 at 11:59 pm
5/2	11.2. Arithmetic sequences day 2	Homework: Webassign 11.2. Due 5/5 at 11:59 pm
5/3	Partner contest	Homework: Webassign 11.2. Due 5/5 at 11:59 pm
5/4	11.3. Geometric sequences and series If you want to start with Review earlier...Review	Homework: Webassign 11.3. Due 5/12 at 11:59 pm
5/7	Review for Quiz 11.1. - 11.3.	Key

	More advanced problems with sequences and series Key	Finish review packet Homework: Webassign 11.3. Due 5/12 at 11:59 pm Review session - TOMORROW morning room 3240 at 7:30 am
5/8	11.1-11.3. Quiz	Homework: Webassign 11.3. Due 5/12 at 11:59 pm TBD
5/9	11.6 day 1 Practice	Homework: Webassign 11.3. Due 5/12 at 11:59 pm
5/10	11.6 - day 2	Homework: Webassign 11.3. AND 11.6. Due 5/12 at 11:59 pm
5/11	11.7 - probability	Homework: Webassign 11.3. AND 11.6. Due 5/12 at 11:59 pm 11.7. Due Wednesday 5/16 at 11:59 pm
5/14	11.7 - probability - day 2	11.7. Due Wednesday 5/16 at 11:59 pm
5/15	Review for Unit 9 - Chapter 11 Test	Key 11.7. Due Wednesday 5/16 at 11:59 pm
5/16	Test - Unit 9 - Sequences and	Finish all web assign

	Series	homeworks
5/17	Final Semester 2 Review - ch5	Finish review packet Key (open response) - scroll down
5/18	Final Semester 2 Review - ch 6	Finish review packet Key (open response) - scroll down
5/21	Final Semester 2 Review - ch 9 and Chapter 11	Finish review packet Key (open response) - scroll down - chp 9 Key - ch 11 - open response

Additional review sessions
BEFORE FINALS - Wednesday
5/23/2018 from 8:10 AM - 9:30
am IN ROOM 1750.
Snack provided. :)