 value，exponential，and logarithmic functions．$\star$
 $y=g(x)$ intersect are the solutions of the equation $f(x)=g(x)$ ；find the solutions approximately，
 Represent and solve equations and inequalities graphically．［Combine polynomial，rational，radical， the solutions and interpreting them in context．CA Solve equations and inequalities in one variable． extraneous solutions may arise． 1．Solve simple rational and radical equations in one variable，and give examples showing how Understand solving equations as a process of reasoning and explain the reasoning．［Simple Reasoning with Equations and Inequalities A－REI 4．Rearrange，formulas to highlight a quantity of interest，using the same reasoning as in solving
equations．$\star$
 3．Represent constraints by equations or inequalities，and by systems of equations and／or 2．Create equations in two or more variables to represent relationships between quantities；graph
 1．Create equations and inequalities in one variable including ones with absolute value and use
 Gヨコ－V suo！łenbz бu！leәдコ expression；add，subtract，multiply，and divide rational expressions． closed under addition，subtraction，multiplication，and division by a nonzero rational

 $(x)$ ，where $a(x), b(x), q(x)$ ，and $r(x)$ are polynomials with the degree of $r(x)$ less than the degree Rewrite rational expressions．［Linear and quadratic denominators．］

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Understand the relationship between zeros and factors of polynomials． sspe！woukiod
1．Understand that polynomials form a system analogous to the integers，namely，they are closed Arithmetic with Polynomials and Rational Expressions A－APR
Perform arithmetic operations on polynomials．［Beyond quadratic．］

 2．Use the structure of an expression to identify ways to rewrite it．


interpret the structure of expressions．［Polynomial and rational．］．
1．Interpret expressions that represent a quantity in terms of its context．
Seeing Structure in Expressions A－SSE елqәбן
9．（＋）Know the Fundamental Theorem of Algebra；show that it is true for quadratic polynomials．
8．（ + ）Extend polynomial identities to the complex numbers．For example，rewrite $x^{2}+4$ as
Use complex numbers in polynomial identities and equations．［Polynomials with real coefficients．］
subtract，and multiply complex numbers．

1．Know there is a complex number $i$ such that $i 2=-1$ ，and every complex number has the form

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 Building Functions



 and showing end behavior. $\star$ i
 7. Graph functions expressed symbolically and show key features of the graph, by hand in simple Analyze functions using different representations. [Focus on using key features to guide selection of
appropriate type of model function.]
 5. Relate the domain of a function to its graph and, where applicable, to the quantitative
relationship it describes. $\star$ s.sunmu!u!u pue sunm!
 appropriate models.]
4. For a function

suo!pund

A2 Algebra II

## Expected School-wide

 Learning ResultsProductive Individuals who
think critically and creatively

- collaborate and work well with others - are self-motivated independent learners - pursue goals with persistence and resilience



## Effective Communicators who

- master a useful and dynamic vocabulary
- convey thoughts clearly both orally, and in writing
- understand and evaluate the ideas of others

People preparing for their future who

- master and adapt to new technologies
- plan for their post-secondary career and education
- understand the importance of physical well-being



## People of Integrity who

demonstrate loyalty, responsibility, and honesty - respect others and treat them with compassion - serve their community and their world

## Knowledgeable Individuals who

master the California Content Standards in math, language, literature, science, world languages, the arts and technology, health, and physical education demonstrate skillful application of this knowledge in their daily lives

## Thousand Oaks Hiah School

## What is an interactive notebook?

Your interactive notebook will contain all your warm-ups, notes, assignments, and projects. All class work and homework will be done in this notebook. I see your notebook as an extension and reflection of you and your learning, so your best effort should go into creating a great notebook. Represent yourself well. This notebook counts for a portion of your grade, so your work should be done correctly with attention to appearance as well as content.

## What is the purpose of the interactive notebook?

Your notebook will help to keep you organized. It will be your study guide, your journal, and your best friend in this class. At the end of the semester/year, your notebook will reflect what you did, what you thought, what you felt, and what you learned in this math class.

## What are the requirements for the interactive notebook?

- It should be a spiral notebook, containing 120 pages or more. You can have a $1 / 2$-inch binder to keep any loose-leaf lined paper you work on or collect in class, but all work must be put into your interactive notebook.
- You will also need the following materials: highlighters, glue sticks OR tape


## Anything else I should know about the interactive notebook?

- This notebook is only for this class. I will remove notes or assignments from other classes.
- Your notebook will be needed everyday; do not forget it or lose it.
- I will collect your notebooks at the end of each chapter for grading. However, homework assignments will be collected everyday. It is your responsibility to retrieve your graded homework from the in/out folder for your class and place it in your interactive notebook.


## How can I make sure that I get an A on my interactive notebook?

- Every page must be numbered in the correct order and contain a title and date.
- All handouts or other papers should be glued or taped neatly onto the correct page. The notebook should contain no staples and no loose papers.
- All work and overall appearance of the notebook should display maximum effort.


## Pride in your work should be evident!

| Left Page = Input | Right Page = Output |
| :--- | :--- |
| The left side in your spiral notebook is for writing | The right side of your spiral notebook is for you to show |
| information you are given. | you understand the information you wrote on the left side. |
| This is the side you use for: | This side may have: |
| - notes/handouts from the teacher | - homework |
| - vocabulary words | - graphs |
| - graphic organizers filled out in class | - reflections |
|  | - foldables |
| Make sure all your work is numbered, titled, and dated. | Make sure all your work is numbered, titled, and dated. |

## THE CORNELL NOTE-TAKING SYSTEM

What are the advantages?

## How should

 notes be recorded?
## How should

 notes be refined?
## What are the ways to recite notes?

## Three Advantages

1. It is a method for mastering information--not just recording facts.
2. It is efficient.
3. Each step prepares the way for the next part of the learning process.

## During class, record notes:

1. Record notes, skipping lines to separate information logically.
2. Strive to get main ideas down. Facts, details, and examples are important, but they're meaningful only with concepts.
3. Use abbreviations for extra writing and listening time.
4. Use graphic organizers or pictures when they are helpful.

## After class, refine notes:

1. Write questions in the left about the information on the right.
2. Check or correct incomplete items.
3. Read the notes and underline key words and phrases.
4. Read underlined words and write in recall cues in the left-hand column (key words and very brief phrases that will trigger ideas/facts on the right). These are in addition to the questions.
5. Write a reflective paragraph about the notes.
6. If possible, compare notes with a study buddy.

## Recite notes three ways:

1. Cover up right side page. Read the questions. Recite information as fully as possible. Uncover the sheet and verify information frequently (single, most powerful learning tool!)
2. Reflect on the organization of all the lectures. Overlap notes and read recall cues. Study the progression of the information. This will stimulate categories, relationships, inferences, personal opinions/experiences. Record all of these insights! REFLECTION - KEY TO MEMORY!!!
3. Review by reciting, reflecting, and reading insights.

## This system in brief:

1. Record lectures in the main column
2. Refine lectures with questions, corrections, underlining, recall cues, graphics and pictures
3. Recite by covering main column and expanding on recall cues--then verify
4. Reflect on organization by studying all cues
5. Review by repeating recite and reflect steps

## Summary:

The Cornell System is an efficient way to take notes. There are five steps: record, refine, recite, reflect, and review.

Chapter

Name

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Chapter $\qquad$ —__

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