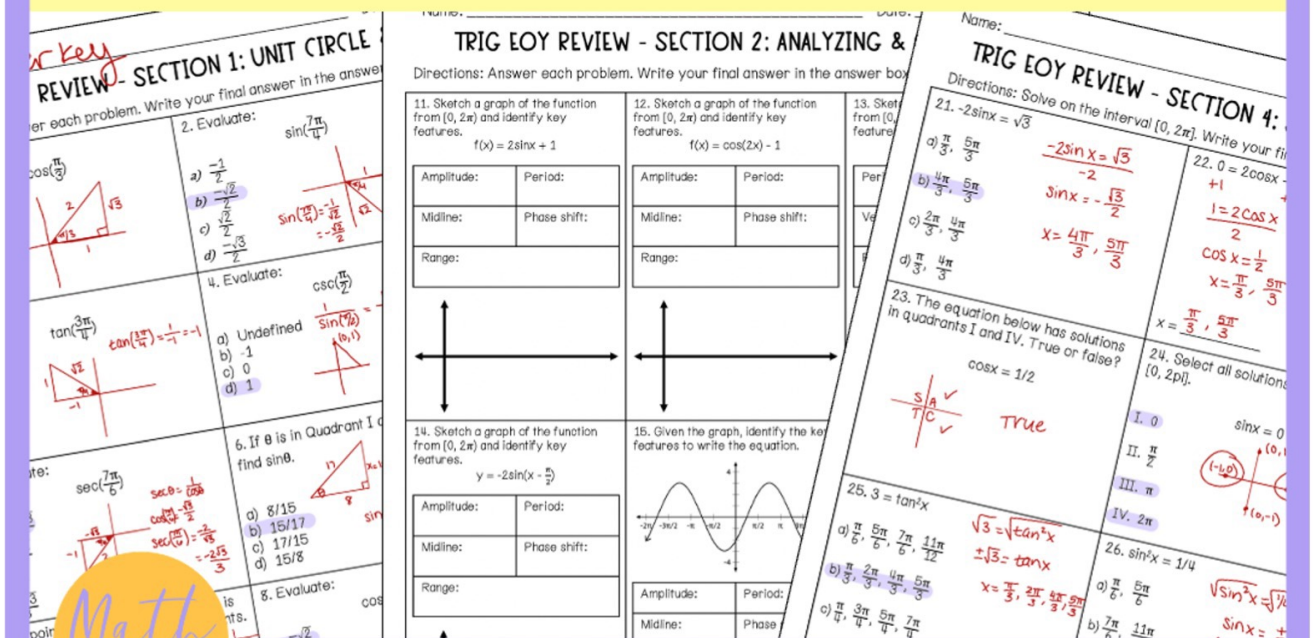
keep scrolling to get a sneak peek!

Help your students focus & be accountable for their review of the Trigonometry content you taught! There are **60 questions over two versions** for students to practice different test style and open-ended questions.

Perfect for review days, homework, or extra practice **before the EOY & final exams!**

TRIGONOMETRY EOY REVIEW PACKET

Test Prep



60 Questions, 2 Versions, Detailed Key

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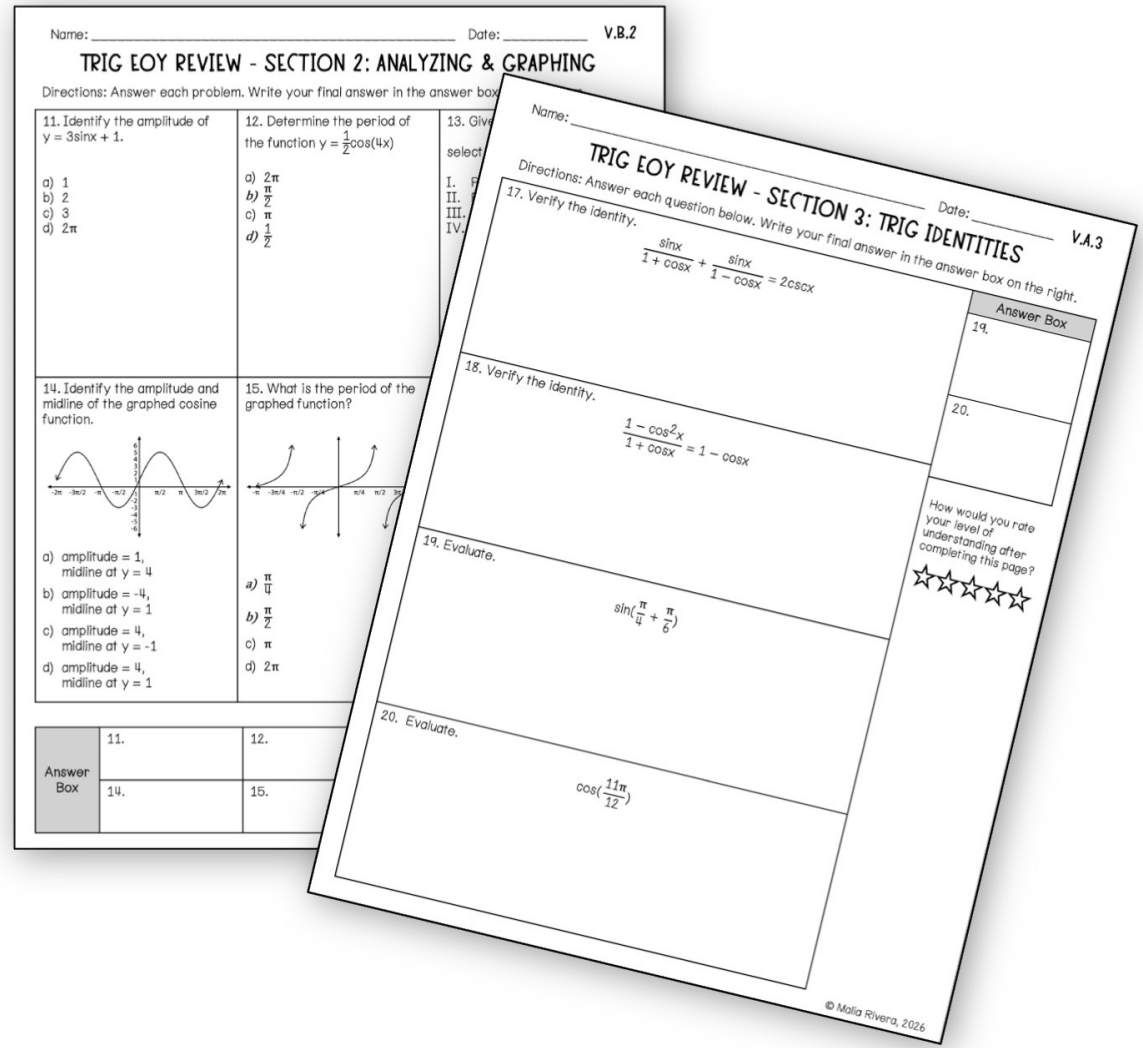
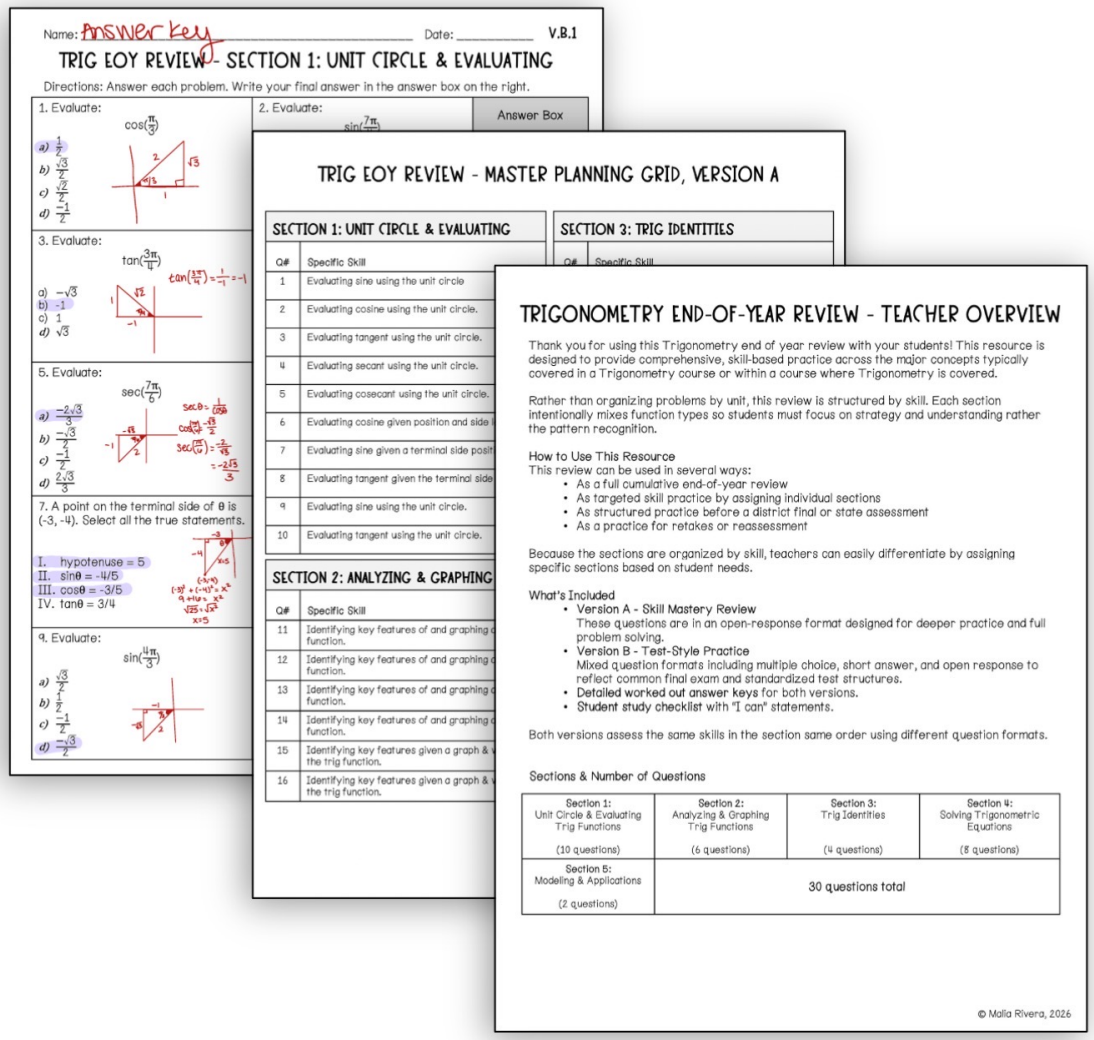
Trigonometry EOY Review Test Prep Packet

why do you need this?

- **Quick & easy.** Just print & go. No prep required!
- **Targeted practice.** Students review key Trig concepts.
- **Flexible use.** Assign as individual worksheets or the entire packet.



Trigonometry EOY Review Packet *includes*:


Name: Answer key Date: V.B.1

TRIG EOY REVIEW - SECTION 1: UNIT CIRCLE & EVALUATING

Directions: Answer each problem. Write your final answer in the answer box on the right.

1. Evaluate: $\cos(\frac{\pi}{3})$

a) $\frac{1}{2}$
b) $\frac{\sqrt{3}}{2}$
c) $\frac{\sqrt{2}}{2}$
d) $\frac{-1}{2}$

2. Evaluate: $\sin(\frac{7\pi}{4})$

Answer Box

3. Evaluate: $\tan(\frac{3\pi}{4})$

a) $-\sqrt{3}$
b) -1
c) 1
d) $\sqrt{3}$

5. Evaluate: $\sec(\frac{7\pi}{6})$

a) $\frac{-2\sqrt{3}}{3}$
b) $\frac{-\sqrt{3}}{2}$
c) $\frac{-1}{2}$
d) $\frac{2\sqrt{3}}{3}$

7. A point on the terminal side of θ is (-3, -4). Select all the true statements.

I. hypotenuse = 5
II. $\sin\theta = -4/5$
III. $\cos\theta = -3/5$
IV. $\tan\theta = 3/4$

9. Evaluate: $\sin(\frac{4\pi}{3})$

a) $\frac{\sqrt{3}}{2}$
b) $\frac{1}{2}$
c) $\frac{-1}{2}$
d) $\frac{-\sqrt{3}}{2}$

TRIG EOY REVIEW - MASTER PLANNING GRID, VERSION A

SECTION 1: UNIT CIRCLE & EVALUATING

Q#	Specific Skill
1	Evaluating sine using the unit circle
2	Evaluating cosine using the unit circle.
3	Evaluating tangent using the unit circle.
4	Evaluating secant using the unit circle.
5	Evaluating cosecant using the unit circle.
6	Evaluating cosine given position and side
7	Evaluating sine given a terminal side posit
8	Evaluating tangent given the terminal side
9	Evaluating sine using the unit circle.
10	Evaluating tangent using the unit circle.

SECTION 2: ANALYZING & GRAPHING

Q#	Specific Skill
11	Identifying key features of and graphing function.
12	Identifying key features of and graphing function.
13	Identifying key features of and graphing function.
14	Identifying key features of and graphing function.
15	Identifying key features given a graph & the trig function.
16	Identifying key features given a graph & the trig function.

SECTION 3: TRIG IDENTITIES

Q#	Specific Skill

TRIGONOMETRY END-OF-YEAR REVIEW - TEACHER OVERVIEW

Thank you for using this Trigonometry end of year review with your students! This resource is designed to provide comprehensive, skill-based practice across the major concepts typically covered in a Trigonometry course or within a course where Trigonometry is covered.

Rather than organizing problems by unit, this review is structured by skill. Each section intentionally mixes function types so students must focus on strategy and understanding rather the pattern recognition.

How to Use This Resource
This review can be used in several ways:
- As a full cumulative end-of-year review
- As targeted skill practice by assigning individual sections
- As structured practice before a district final or state assessment
- As a practice for retakes or reassessment

Because the sections are organized by skill, teachers can easily differentiate by assigning specific sections based on student needs.

What's Included
- Version A - Skill Mastery Review
  These questions are in an open-response format designed for deeper practice and full problem solving.
- Version B - Test-Style Practice
  Mixed question formats including multiple choice, short answer, and open response to reflect common final exam and standardized test structures.
- Detailed worked out answer keys for both versions.
- Student study checklist with "I can" statements.

Both versions assess the same skills in the section same order using different question formats.

Sections & Number of Questions

Section 1: Unit Circle & Evaluating Trig Functions (10 questions)	Section 2: Analyzing & Graphing Trig Functions (6 questions)	Section 3: Trig Identities (4 questions)	Section 4: Solving Trigonometric Equations (8 questions)
Section 5: Modeling & Applications (2 questions)	30 questions total		

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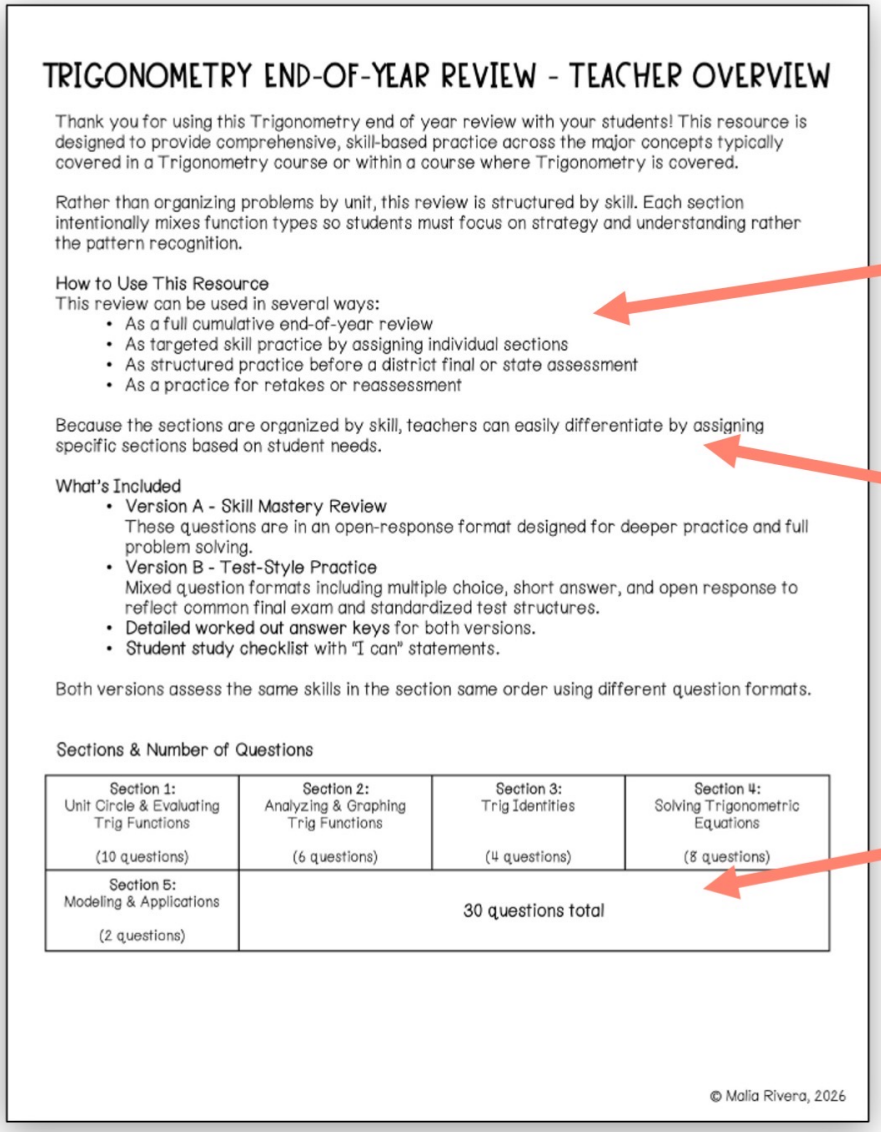
- ✅ 60 Trigonometry questions
- ✅ 2 Versions of question styles, same concepts reviewed
- ✅ Detailed answer keys
- ✅ Teacher overview & suggestions
- ✅ Master planning grid per version
- ✅ Student skill mastery checklist

Trigonometry Review Packet – Teacher Overview



TRIGONOMETRY END-OF-YEAR REVIEW - TEACHER OVERVIEW

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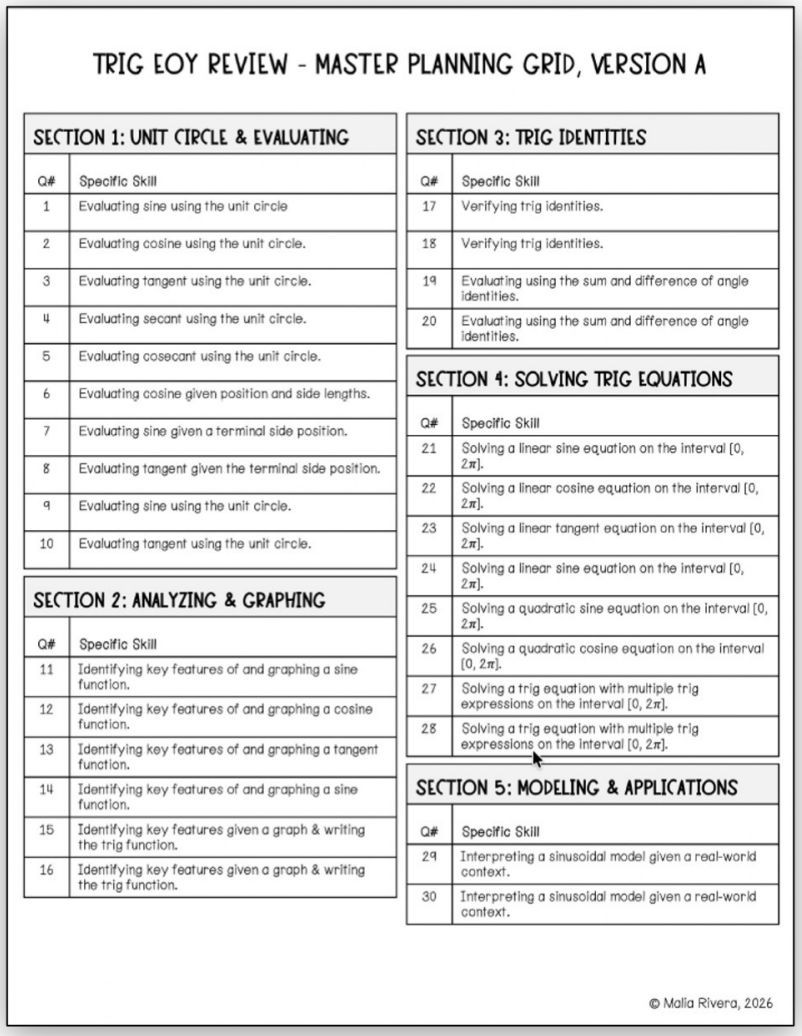
How to use this resource

Differentiation suggestion

Content breakdown

Trigonometry Review Packet – Master Planning Grid



TRIG EOY REVIEW - MASTER PLANNING GRID, VERSION A

SECTION 1: UNIT CIRCLE & EVALUATING

Q#	Specific Skill
1	Evaluating sine using the unit circle
2	Evaluating cosine using the unit circle.
3	Evaluating tangent using the unit circle.
4	Evaluating secant using the unit circle.
5	Evaluating cosecant using the unit circle.
6	Evaluating cosine given position and side lengths.
7	Evaluating sine given a terminal side position.
8	Evaluating tangent given the terminal side position.
9	Evaluating sine using the unit circle.
10	Evaluating tangent using the unit circle.

SECTION 2: ANALYZING & GRAPHING

Q#	Specific Skill
11	Identifying key features of and graphing a sine function.
12	Identifying key features of and graphing a cosine function.
13	Identifying key features of and graphing a tangent function.
14	Identifying key features of and graphing a sine function.
15	Identifying key features given a graph & writing the trig function.
16	Identifying key features given a graph & writing the trig function.

SECTION 3: TRIG IDENTITIES

Q#	Specific Skill
17	Verifying trig identities.
18	Verifying trig identities.
19	Evaluating using the sum and difference of angle identities.
20	Evaluating using the sum and difference of angle identities.

SECTION 4: SOLVING TRIG EQUATIONS

Q#	Specific Skill
21	Solving a linear sine equation on the interval [0, 2π].
22	Solving a linear cosine equation on the interval [0, 2π].
23	Solving a linear tangent equation on the interval [0, 2π].
24	Solving a linear sine equation on the interval [0, 2π].
25	Solving a quadratic sine equation on the interval [0, 2π].
26	Solving a quadratic cosine equation on the interval [0, 2π].
27	Solving a trig equation with multiple trig expressions on the interval [0, 2π].
28	Solving a trig equation with multiple trig expressions on the interval [0, 2π].

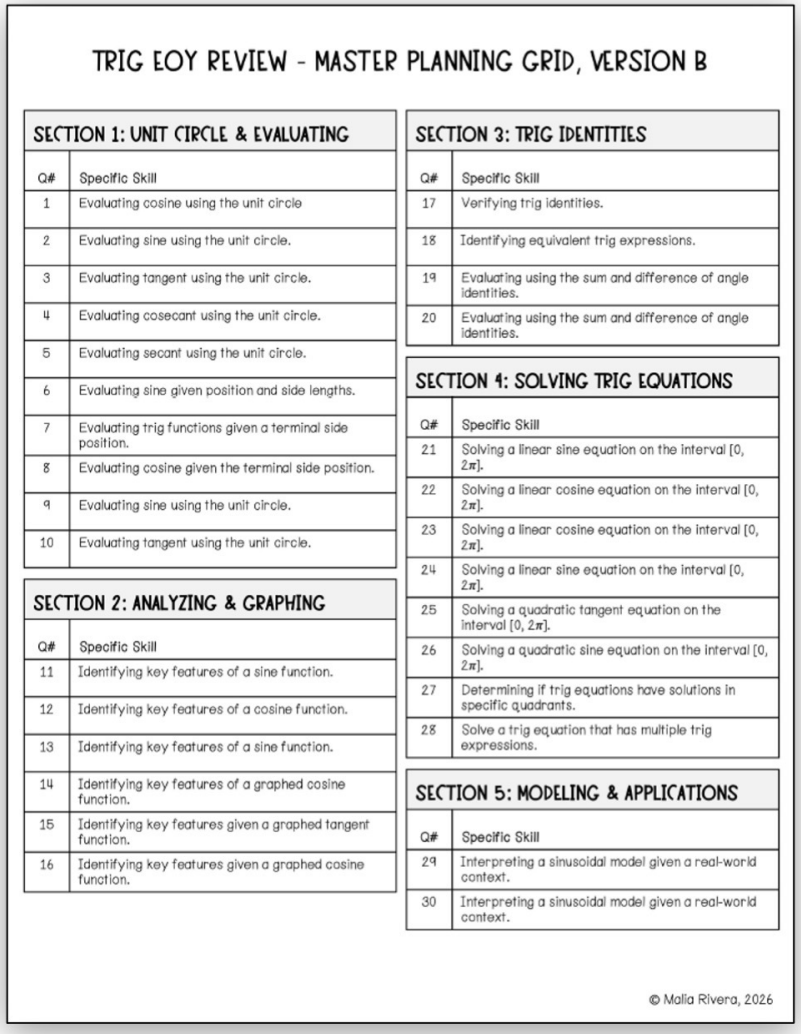
SECTION 5: MODELING & APPLICATIONS

Q#	Specific Skill
29	Interpreting a sinusoidal model given a real-world context.
30	Interpreting a sinusoidal model given a real-world context.

Content & skill break down

Aligned questions & skills

Available for both versions



TRIG EOY REVIEW - MASTER PLANNING GRID, VERSION B

SECTION 1: UNIT CIRCLE & EVALUATING

Q#	Specific Skill
1	Evaluating cosine using the unit circle
2	Evaluating sine using the unit circle.
3	Evaluating tangent using the unit circle.
4	Evaluating cosecant using the unit circle.
5	Evaluating secant using the unit circle.
6	Evaluating sine given position and side lengths.
7	Evaluating trig functions given a terminal side position.
8	Evaluating cosine given the terminal side position.
9	Evaluating sine using the unit circle.
10	Evaluating tangent using the unit circle.

SECTION 2: ANALYZING & GRAPHING

Q#	Specific Skill
11	Identifying key features of a sine function.
12	Identifying key features of a cosine function.
13	Identifying key features of a sine function.
14	Identifying key features of a graphed cosine function.
15	Identifying key features given a graphed tangent function.
16	Identifying key features given a graphed cosine function.

SECTION 3: TRIG IDENTITIES

Q#	Specific Skill
17	Verifying trig identities.
18	Identifying equivalent trig expressions.
19	Evaluating using the sum and difference of angle identities.
20	Evaluating using the sum and difference of angle identities.

SECTION 4: SOLVING TRIG EQUATIONS

Q#	Specific Skill
21	Solving a linear sine equation on the interval [0, 2π].
22	Solving a linear cosine equation on the interval [0, 2π].
23	Solving a linear cosine equation on the interval [0, 2π].
24	Solving a linear sine equation on the interval [0, 2π].
25	Solving a quadratic tangent equation on the interval [0, 2π].
26	Solving a quadratic sine equation on the interval [0, 2π].
27	Determining if trig equations have solutions in specific quadrants.
28	Solve a trig equation that has multiple trig expressions.

SECTION 5: MODELING & APPLICATIONS

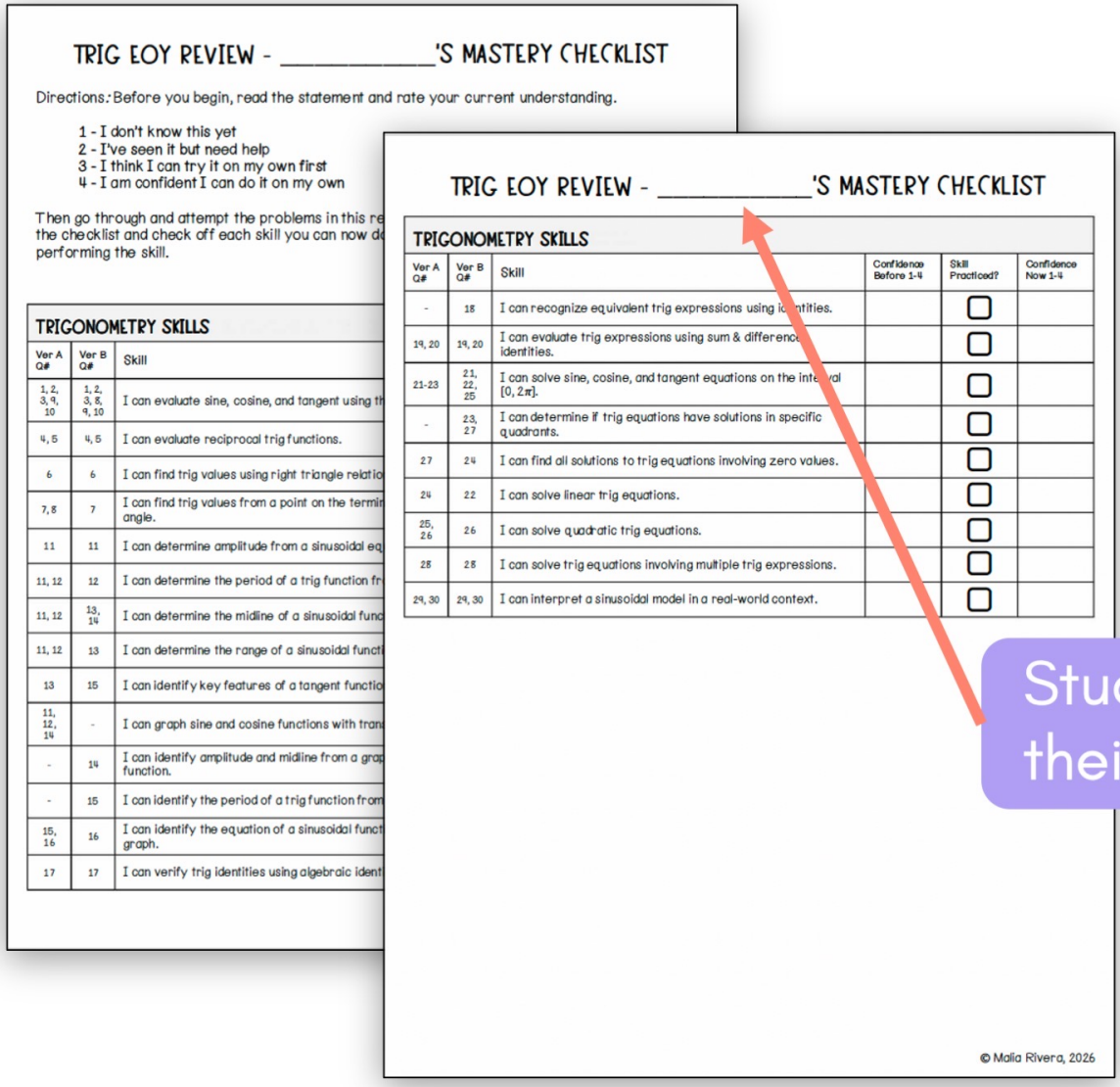
Q#	Specific Skill
29	Interpreting a sinusoidal model given a real-world context.
30	Interpreting a sinusoidal model given a real-world context.

Trigonometry Review Packet - Student Mastery Checklist

Hold students accountable for their learning!

Pre & post self reflection by skill

Aligned questions & skills by version



TRIG EOY REVIEW - _____'S MASTERY CHECKLIST

Directions: Before you begin, read the statement and rate your current understanding.

1 - I don't know this yet
2 - I've seen it but need help
3 - I think I can try it on my own first
4 - I am confident I can do it on my own

Then go through and attempt the problems in this re
the checklist and check off each skill you can now d
performing the skill.

TRIGONOMETRY SKILLS

Ver A Q#	Ver B Q#	Skill
1, 2, 3, 9, 10	1, 2, 3, 8, 9, 10	I can evaluate sine, cosine, and tangent using th
4, 5	4, 5	I can evaluate reciprocal trig functions.
6	6	I can find trig values using right triangle relatio
7, 8	7	I can find trig values from a point on the termin angle.
11	11	I can determine amplitude from a sinusoidal eq
11, 12	12	I can determine the period of a trig function fr
11, 12	13, 14	I can determine the midline of a sinusoidal func
11, 12	13	I can determine the range of a sinusoidal functi
13	15	I can identify key features of a tangent functio
11, 12, 14	-	I can graph sine and cosine functions with tran
-	14	I can identify amplitude and midline from a grap function.
-	15	I can identify the period of a trig function from
15, 16	16	I can identify the equation of a sinusoidal funct graph.
17	17	I can verify trig identities using algebraic ident

TRIG EOY REVIEW - _____'S MASTERY CHECKLIST

TRIGONOMETRY SKILLS

Ver A Q#	Ver B Q#	Skill	Confidence Before 1-4	Skill Practiced?	Confidence Now 1-4
-	18	I can recognize equivalent trig expressions using id ntities.		☐	
19, 20	19, 20	I can evaluate trig expressions using sum & difference identities.		☐	
21-23	21, 22, 25	I can solve sine, cosine, and tangent equations on the int val $[0, 2\pi]$.		☐	
-	23, 27	I can determine if trig equations have solutions in specific quadrants.		☐	
27	24	I can find all solutions to trig equations involving zero values.		☐	
24	22	I can solve linear trig equations.		☐	
25, 26	26	I can solve quadratic trig equations.		☐	
28	28	I can solve trig equations involving multiple trig expressions.		☐	
29, 30	29, 30	I can interpret a sinusoidal model in a real-world context.		☐	

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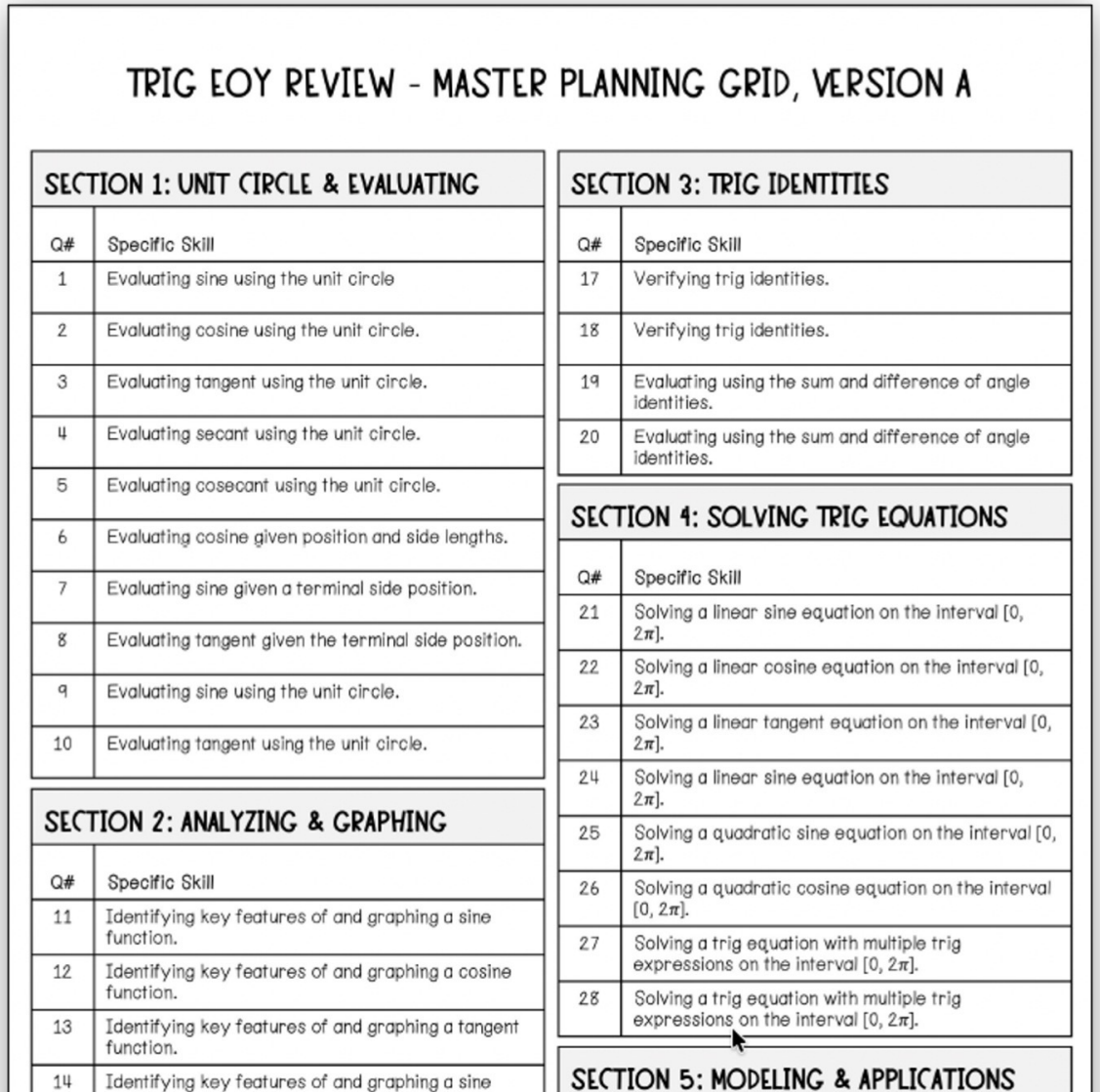
Students can add their name!

Trigonometry Review Packet – Content Assessed



TRIG EOY REVIEW - MASTER PLANNING GRID, VERSION A

SECTION 1: UNIT CIRCLE & EVALUATING

Q#	Specific Skill
1	Evaluating sine using the unit circle
2	Evaluating cosine using the unit circle.
3	Evaluating tangent using the unit circle.
4	Evaluating secant using the unit circle.
5	Evaluating cosecant using the unit circle.
6	Evaluating cosine given position and side lengths.
7	Evaluating sine given a terminal side position.
8	Evaluating tangent given the terminal side position.
9	Evaluating sine using the unit circle.
10	Evaluating tangent using the unit circle.

SECTION 2: ANALYZING & GRAPHING

Q#	Specific Skill
11	Identifying key features of and graphing a sine function.
12	Identifying key features of and graphing a cosine function.
13	Identifying key features of and graphing a tangent function.
14	Identifying key features of and graphing a sine

SECTION 3: TRIG IDENTITIES

Q#	Specific Skill
17	Verifying trig identities.
18	Verifying trig identities.
19	Evaluating using the sum and difference of angle identities.
20	Evaluating using the sum and difference of angle identities.

SECTION 4: SOLVING TRIG EQUATIONS

Q#	Specific Skill
21	Solving a linear sine equation on the interval $[0, 2\pi]$.
22	Solving a linear cosine equation on the interval $[0, 2\pi]$.
23	Solving a linear tangent equation on the interval $[0, 2\pi]$.
24	Solving a linear sine equation on the interval $[0, 2\pi]$.
25	Solving a quadratic sine equation on the interval $[0, 2\pi]$.
26	Solving a quadratic cosine equation on the interval $[0, 2\pi]$.
27	Solving a trig equation with multiple trig expressions on the interval $[0, 2\pi]$.
28	Solving a trig equation with multiple trig expressions on the interval $[0, 2\pi]$.

SECTION 5: MODELING & APPLICATIONS

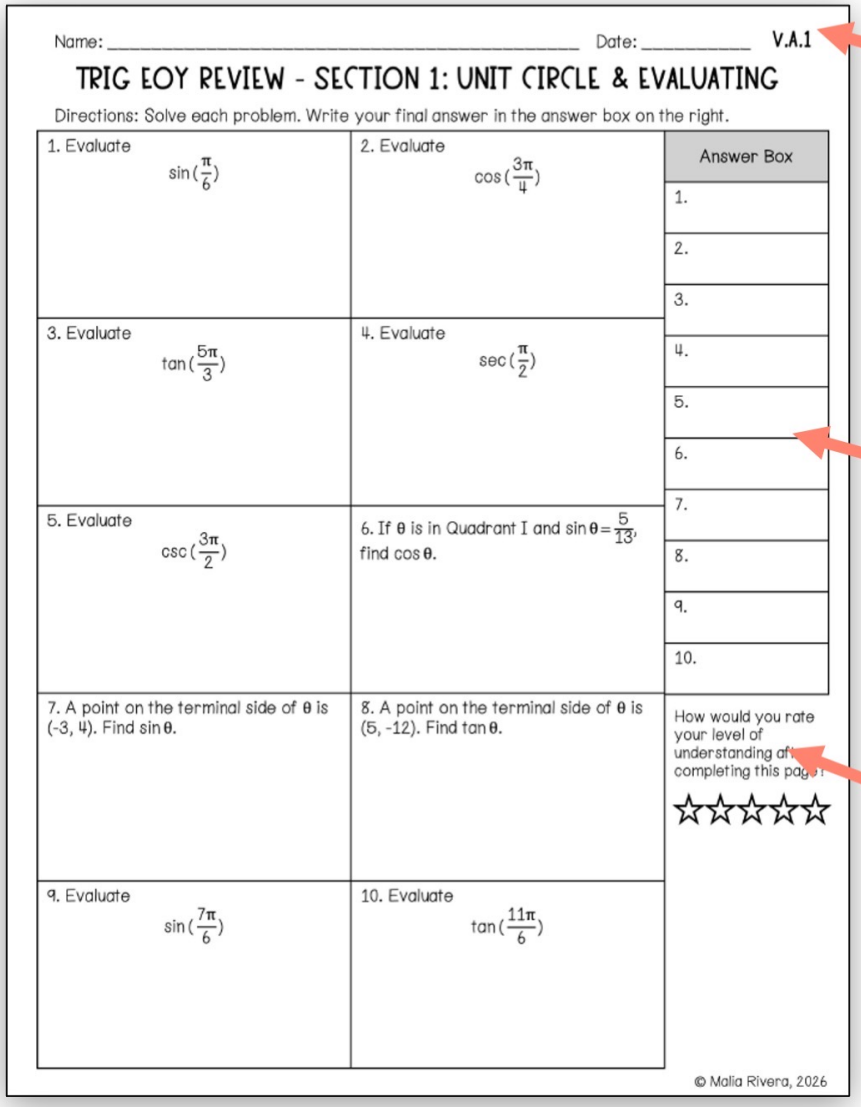
5 Sections
Organized by Skill

1. Unit Circle & Evaluating
2. Analyzing & Graphing
3. Trigonometric Identities
4. Solving Trigonometry Equations
5. Modeling & Applications

Trigonometry Review Packet - Version A

- 30 open ended questions
- 5 sections separated by skill
- Detailed answer keys

Plenty of space to show work!



Name: _____ Date: _____ V.A.1

TRIG EOY REVIEW - SECTION 1: UNIT CIRCLE & EVALUATING

Directions: Solve each problem. Write your final answer in the answer box on the right.

		Answer Box
1. Evaluate $\sin(\frac{\pi}{6})$	2. Evaluate $\cos(\frac{3\pi}{4})$	1.
		2.
3. Evaluate $\tan(\frac{5\pi}{3})$	4. Evaluate $\sec(\frac{\pi}{2})$	3.
		4.
5. Evaluate $\csc(\frac{3\pi}{2})$	6. If θ is in Quadrant I and $\sin\theta=\frac{5}{13}$, find $\cos\theta$.	5.
		6.
7. A point on the terminal side of θ is $(-3, 4)$. Find $\sin\theta$.	8. A point on the terminal side of θ is $(5, -12)$. Find $\tan\theta$.	7.
		8.
9. Evaluate $\sin(\frac{7\pi}{6})$	10. Evaluate $\tan(\frac{11\pi}{6})$	9.
		10.

How would you rate your level of understanding after completing this page?

☆☆☆☆☆

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Easily know what version & section they are working on

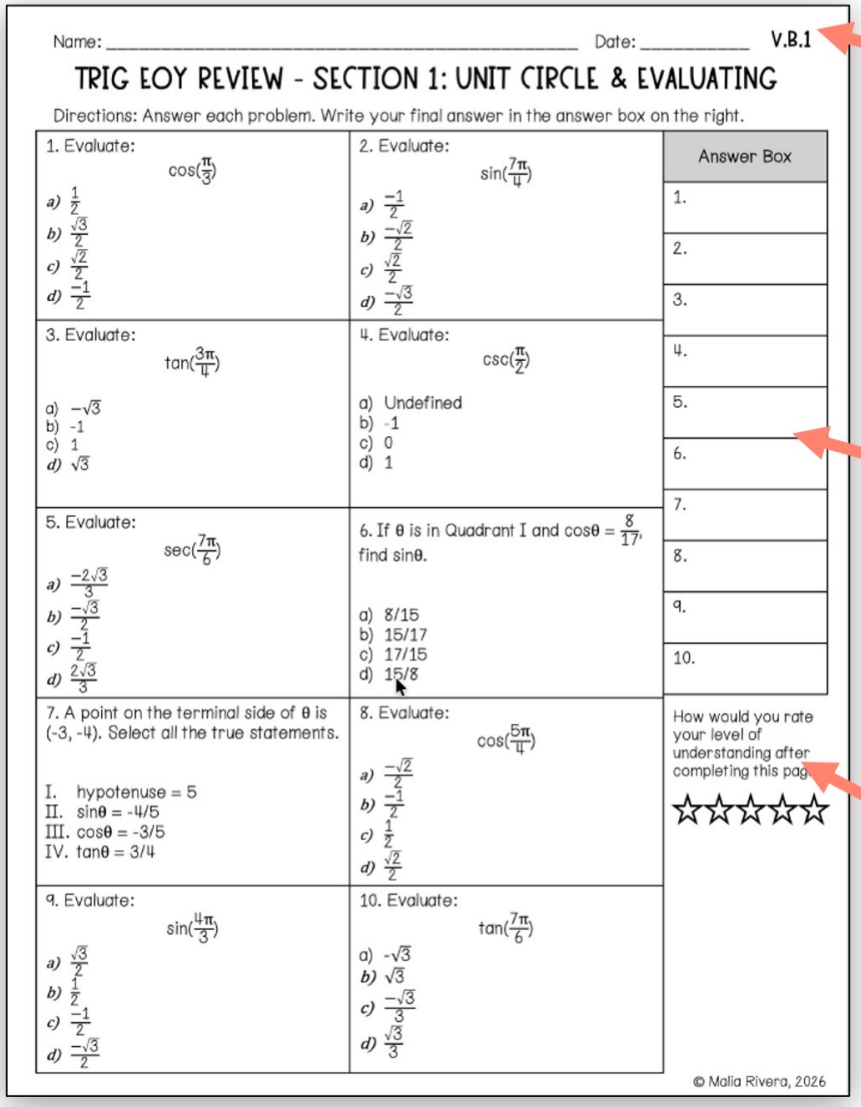
Answer boxes for quick & easy checking & grading

Student self reflection question at the end

Trigonometry Review Packet - Version B

- 30 test style questions: MC, select all, fill in the blank, True/False
- 5 sections separated by skill with mixed function practice
- Detailed answer keys

Plenty of space to show work!



Name: _____ Date: _____ V.B.1

TRIG EOY REVIEW - SECTION 1: UNIT CIRCLE & EVALUATING

Directions: Answer each problem. Write your final answer in the answer box on the right.

1. Evaluate: $\cos(\frac{\pi}{3})$

a) $\frac{1}{2}$
b) $\frac{\sqrt{3}}{2}$
c) $\frac{\sqrt{2}}{2}$
d) $\frac{-1}{2}$

2. Evaluate: $\sin(\frac{7\pi}{4})$

a) $\frac{-1}{2}$
b) $\frac{-\sqrt{2}}{2}$
c) $\frac{\sqrt{2}}{2}$
d) $\frac{-\sqrt{3}}{2}$

3. Evaluate: $\tan(\frac{3\pi}{4})$

a) $-\sqrt{3}$
b) -1
c) 1
d) $\sqrt{3}$

4. Evaluate: $\csc(\frac{\pi}{2})$

a) Undefined
b) -1
c) 0
d) 1

5. Evaluate: $\sec(\frac{7\pi}{6})$

a) $\frac{-2\sqrt{3}}{3}$
b) $\frac{-\sqrt{3}}{2}$
c) $\frac{-1}{2}$
d) $\frac{2\sqrt{3}}{3}$

6. If θ is in Quadrant I and $\cos\theta = \frac{8}{17}$, find $\sin\theta$.

a) 8/15
b) 15/17
c) 17/15
d) 15/8

7. A point on the terminal side of θ is (-3, -4). Select all the true statements.

I. hypotenuse = 5
II. $\sin\theta = -4/5$
III. $\cos\theta = -3/5$
IV. $\tan\theta = 3/4$

8. Evaluate: $\cos(\frac{5\pi}{4})$

a) $\frac{-\sqrt{2}}{2}$
b) $\frac{-1}{2}$
c) $\frac{1}{2}$
d) $\frac{\sqrt{2}}{2}$

9. Evaluate: $\sin(\frac{4\pi}{3})$

a) $\frac{\sqrt{3}}{2}$
b) $\frac{1}{2}$
c) $\frac{-1}{2}$
d) $\frac{-\sqrt{3}}{2}$

10. Evaluate: $\tan(\frac{7\pi}{6})$

a) $-\sqrt{3}$
b) $\sqrt{3}$
c) $\frac{-\sqrt{3}}{3}$
d) $\frac{\sqrt{3}}{3}$

Answer Box
1.
2.
3.
4.
5.
6.
7.
8.
9.
10.

How would you rate your level of understanding after completing this pag

☆☆☆☆☆

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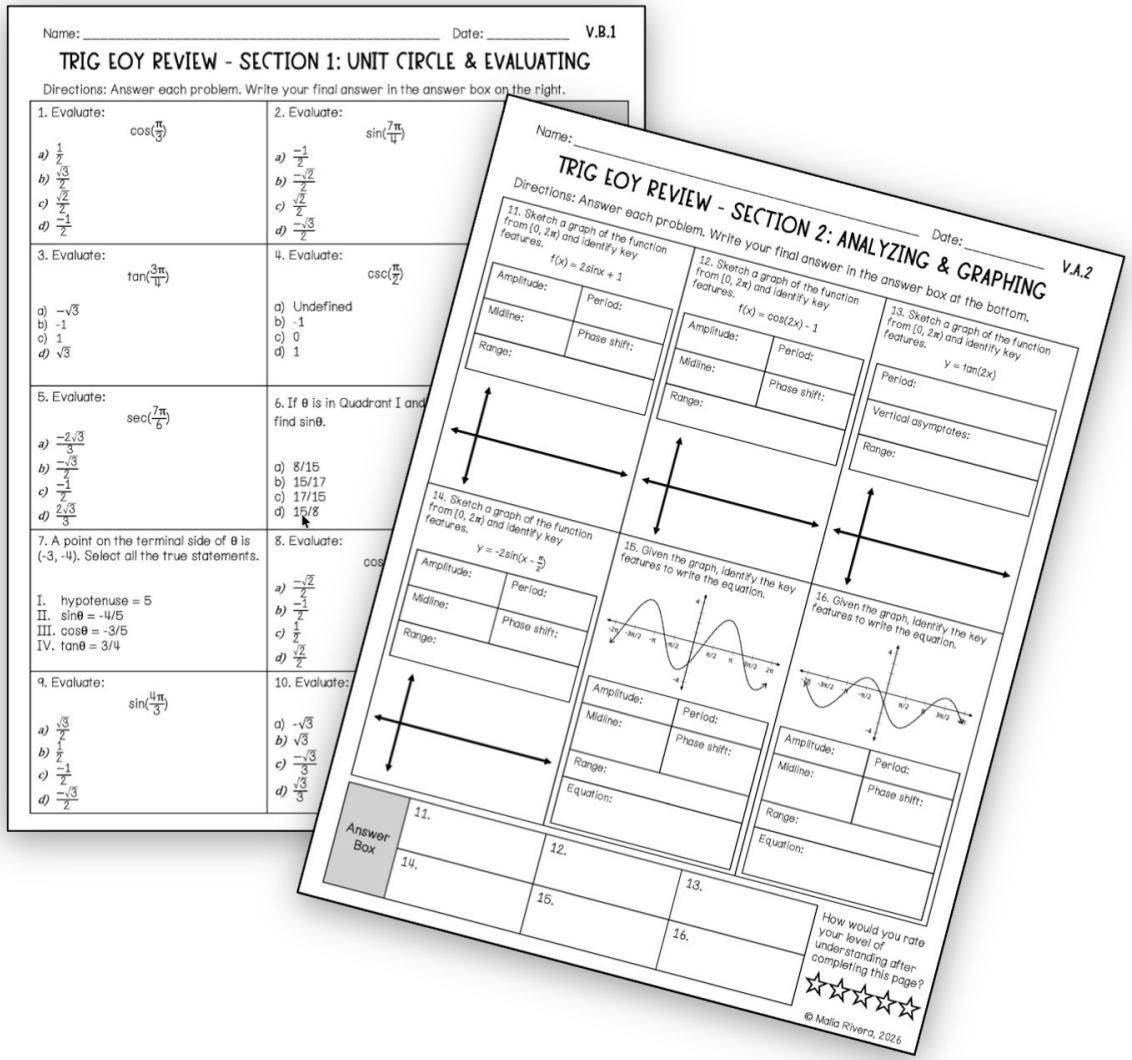
Easily know what version & section they are working on

Answer boxes for quick & easy checking & grading

Student self reflection question at the end

how to use this resource

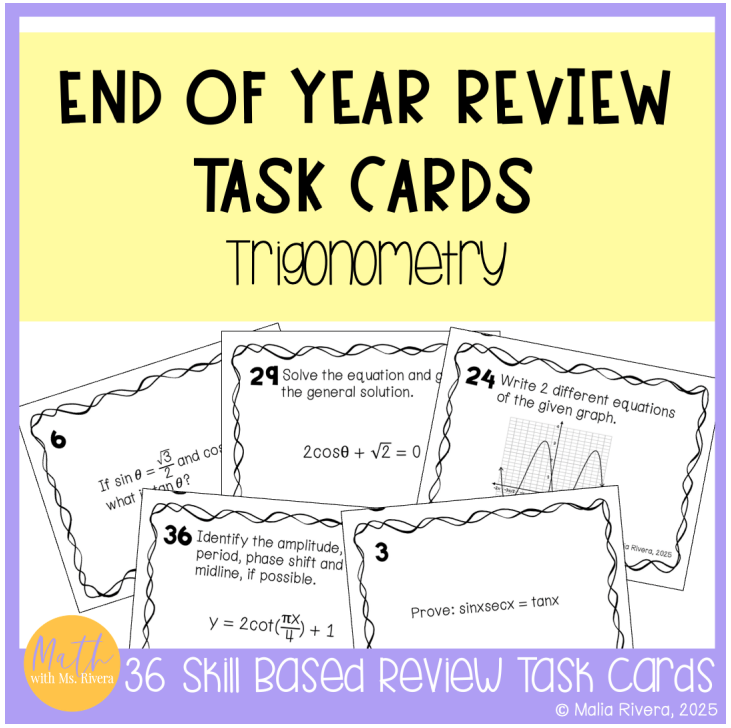


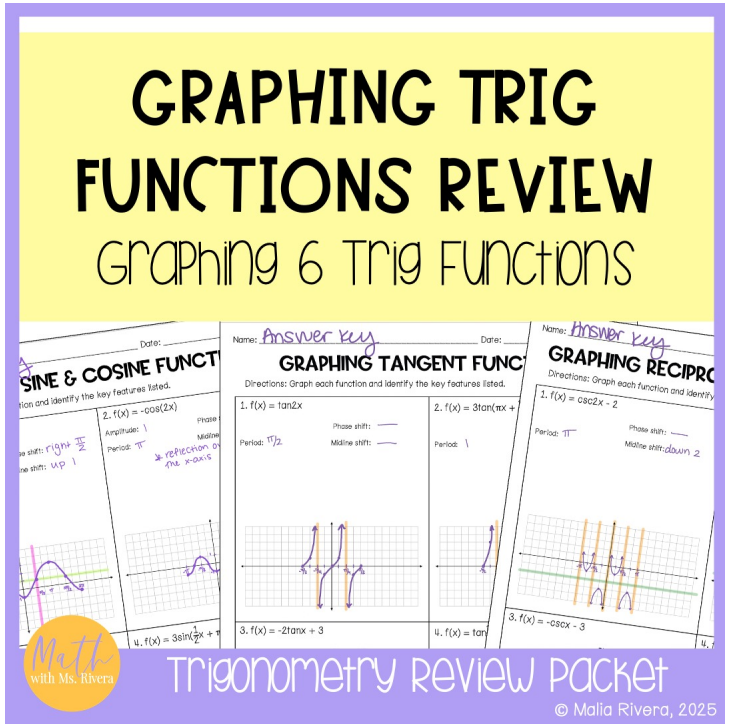
This is a great set of worksheets to use when reviewing content for the Trigonometry end of year final exams or state tests.

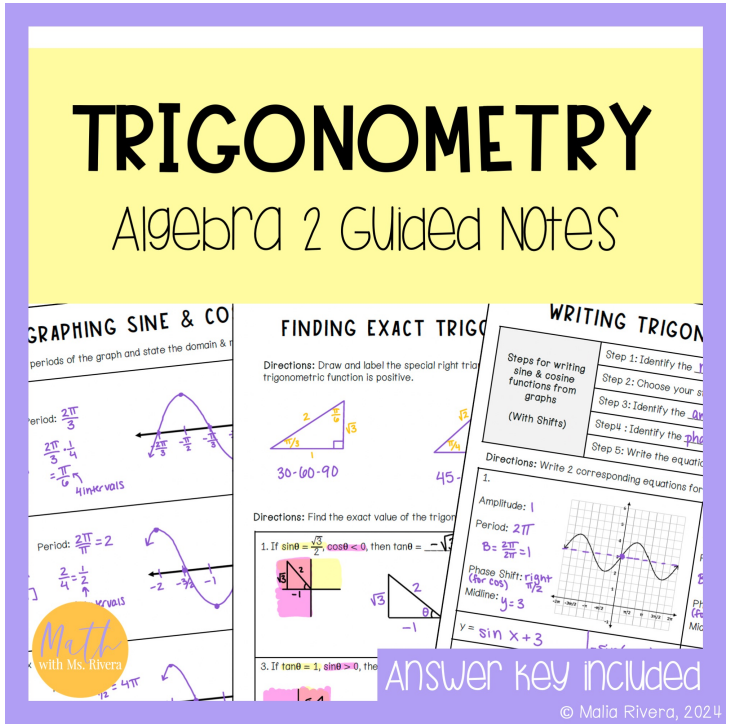
You can assign them as individual worksheets or as the entire packet.

This is also perfect for homework or a **substitute-friendly** assignment!

You may also *enjoy*...







hey there!

My name is Malia and I'm passionate about making learning and practicing math fun. I love creating engaging math resources for my students and I hope your students enjoy this activity too!

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