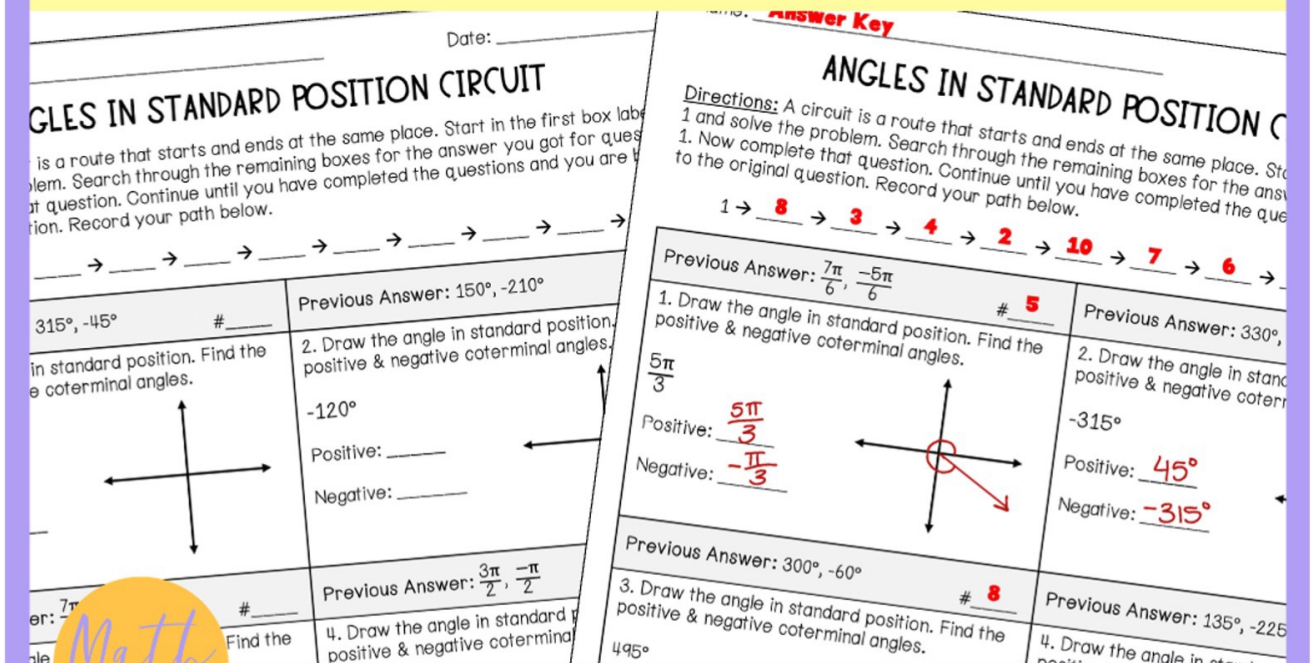
keep scrolling to get a sneak peek!

Help your PreCalculus students practice drawing **angles in standard position** and finding **positive & negative coterminal angles**. Students will be eager to get the self-checking benefits from this circuit activity!

ANGLES IN STANDARD POSITION

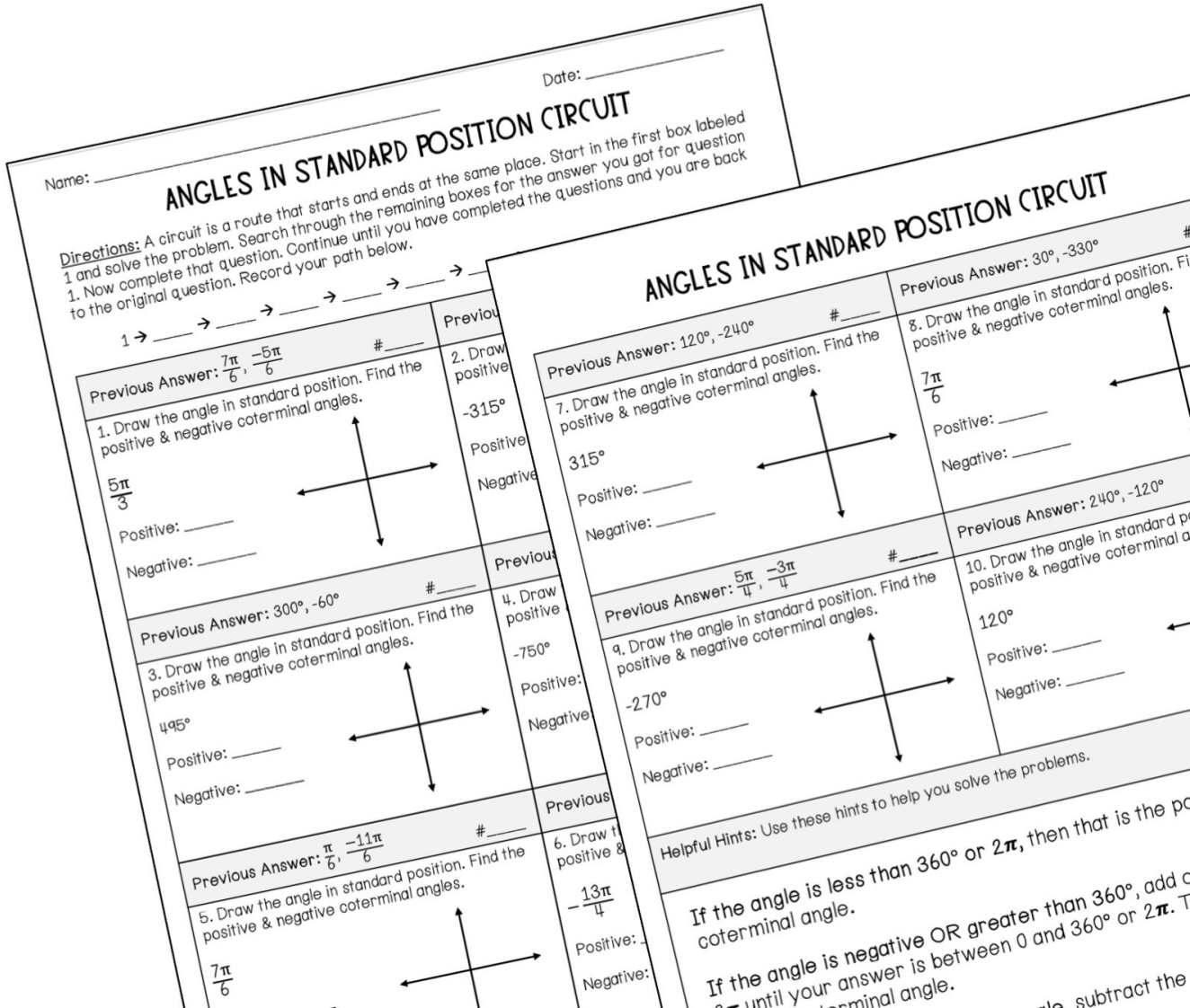
Differentiated Circuit Worksheet



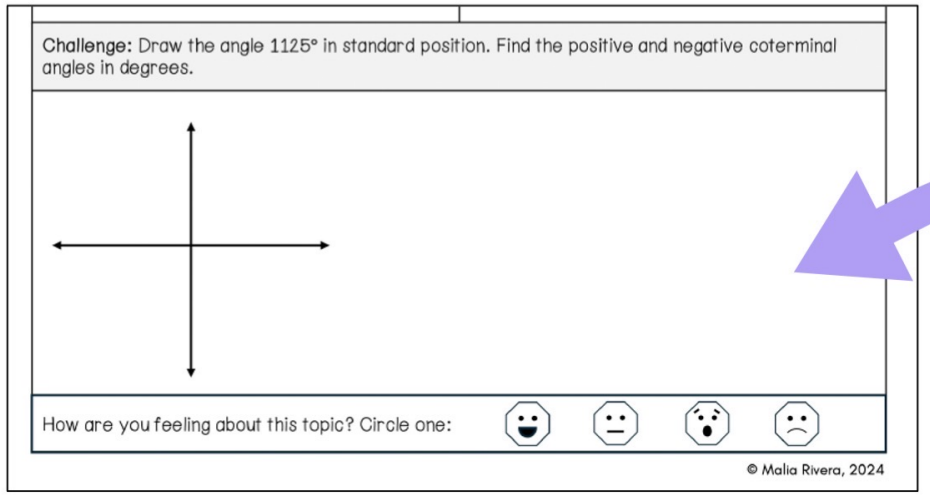
why do you need this?

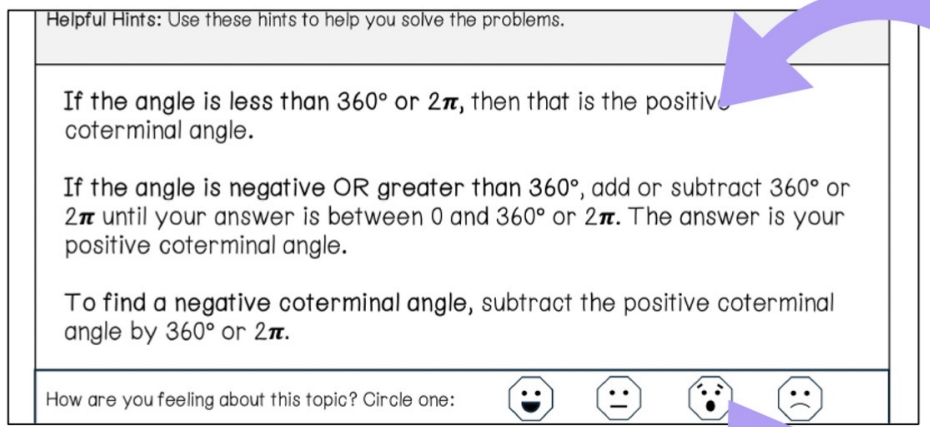
- It's self-checking! Your students will know if they are correct or not.
- 2 differentiated versions for all students practice this essential math skill.

Angles in Standard Position Circuit Worksheet



Angles in Standard Position *includes*:





- ✅ 10 self-checking problems
- ✅ a detailed answer key
- ✅ a standard version with an extension question
- ✅ a basic version with helpful hints section
- ✅ student self assessment

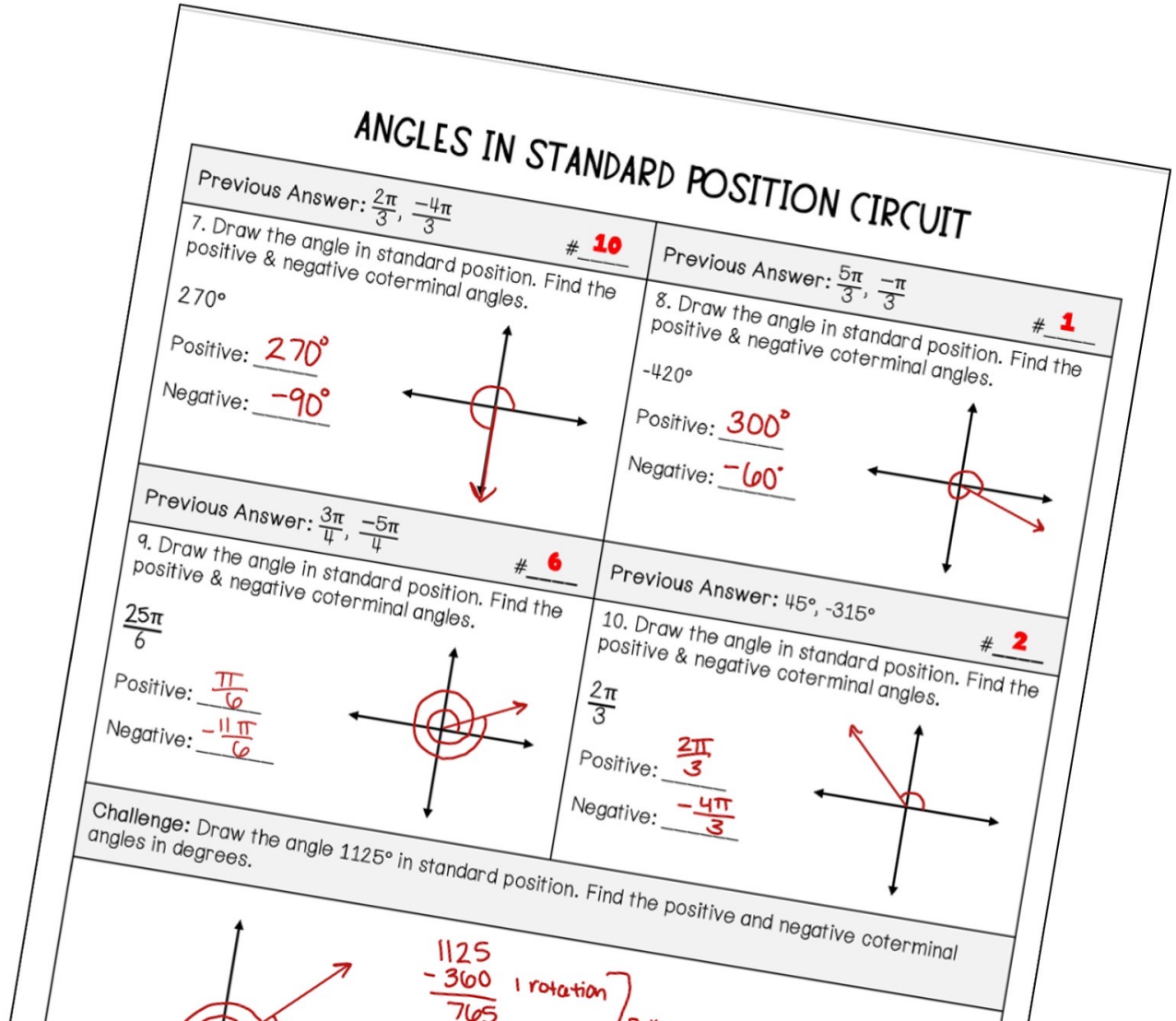
Properties of Rational Exponents

standards covered:

CCSS: HSF-TF.A.1

TEKs: P.4.B, P.4.C

VA SOLs: TCTF.T.2



how this circuit resource works

Students can track their path at the top.

Students start with the first question.

Then search for their answer on the worksheet. Once the answer is found, students complete the problem below it.

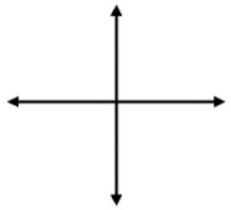
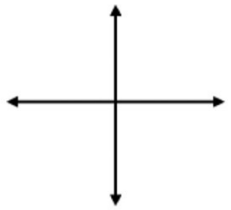
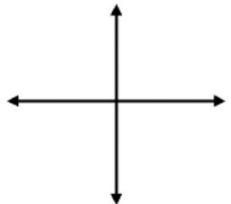
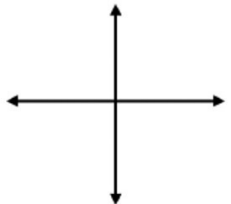
The last question they answer should lead back to problem #1 to "close" the circuit.

Name: _____ Date: _____

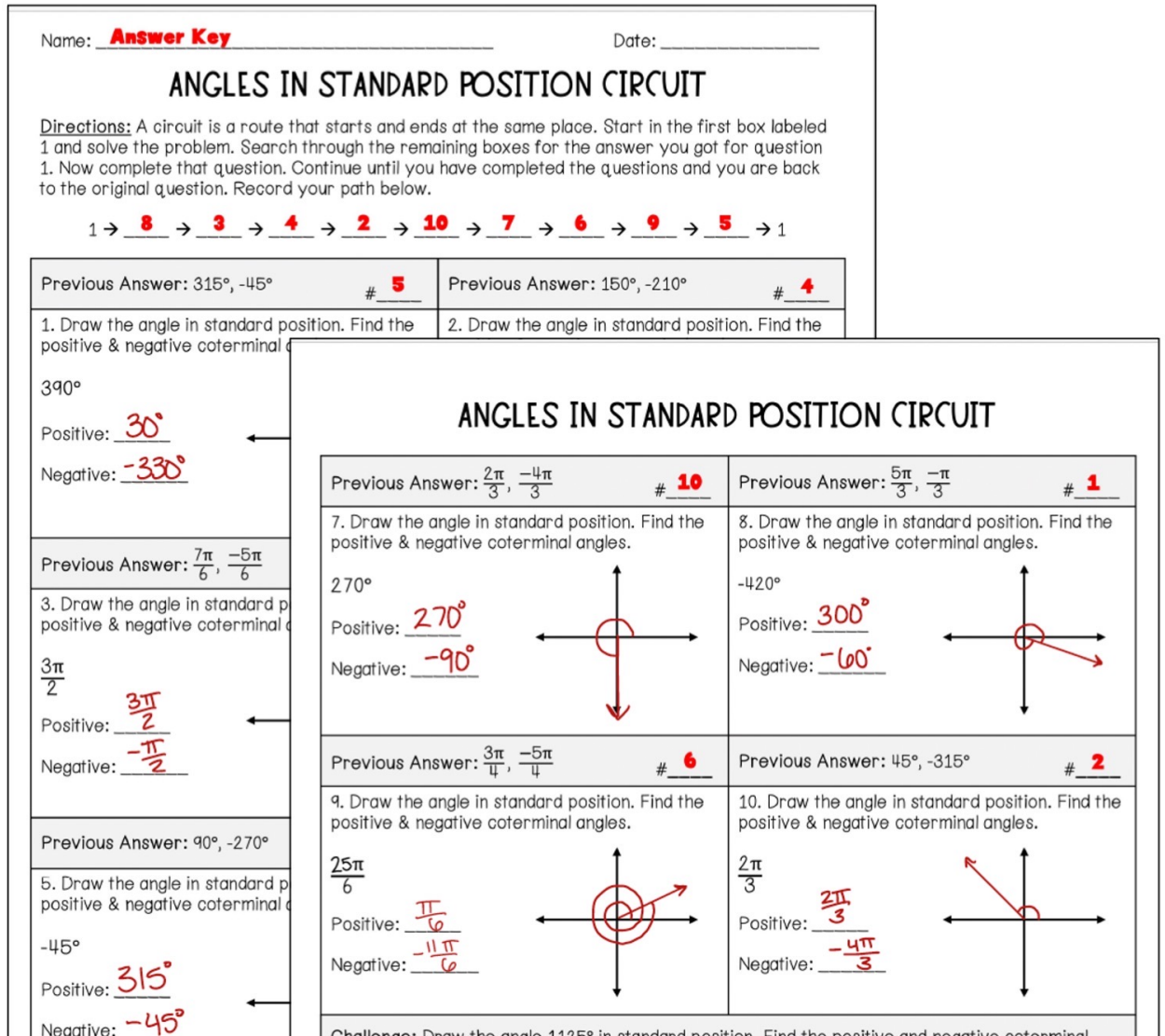
ANGLES IN STANDARD POSITION CIRCUIT

Directions: A circuit is a route that starts and ends at the same place. Start in the first box labeled 1 and solve the problem. Search through the remaining boxes for the answer you got for question 1. Now complete that question. Continue until you have completed the questions and you are back to the original question. Record your path below.

1 → ____ → ____ → ____ → ____ → ____ → ____ → ____ → ____ → ____ → 1

Previous Answer: 315°, -45° #____	Previous Answer: 150°, -210° #____
1. Draw the angle in standard position. Find the positive & negative coterminal angles. [illegible]° Positive: _____ Negative: _____ 	2. Draw the angle in standard position. Find the positive & negative coterminal angles. -120° Positive: _____ Negative: _____ 
Previous Answer: $\frac{7\pi}{6}$, $\frac{-5\pi}{6}$ #____	Previous Answer: $\frac{3\pi}{2}$, $\frac{-\pi}{2}$ #____
3. Draw the angle in standard position. Find the positive & negative coterminal angles. $\frac{3\pi}{2}$ Positive: _____ Negative: _____ 	4. Draw the angle in standard position. Find the positive & negative coterminal angles. 150° Positive: _____ Negative: _____ 

how to use this resource



Name: Answer Key Date: _____

ANGLES IN STANDARD POSITION CIRCUIT

Directions: A circuit is a route that starts and ends at the same place. Start in the first box labeled 1 and solve the problem. Search through the remaining boxes for the answer you got for question 1. Now complete that question. Continue until you have completed the questions and you are back to the original question. Record your path below.

1 → 8 → 3 → 4 → 2 → 10 → 7 → 6 → 9 → 5 → 1

Previous Answer: 315°, -45° #5

1. Draw the angle in standard position. Find the positive & negative coterminal

390°

Positive: 30°

Negative: -330°

Previous Answer: 150°, -210° #4

2. Draw the angle in standard position. Find the

Previous Answer: $\frac{7\pi}{6}, \frac{-5\pi}{6}$

3. Draw the angle in standard p positive & negative coterminal

$\frac{3\pi}{2}$

Positive: $\frac{3\pi}{2}$

Negative: $\frac{-\pi}{2}$

Previous Answer: 90°, -270°

5. Draw the angle in standard p positive & negative coterminal

-45°

Positive: 315°

Negative: -45°

ANGLES IN STANDARD POSITION CIRCUIT

Previous Answer: $\frac{2\pi}{3}, \frac{-4\pi}{3}$ #10

7. Draw the angle in standard position. Find the positive & negative coterminal angles.

270°

Positive: 270°

Negative: -90°

Previous Answer: $\frac{5\pi}{3}, \frac{-\pi}{3}$ #1

8. Draw the angle in standard position. Find the positive & negative coterminal angles.

-420°

Positive: 300°

Negative: -60°

Previous Answer: $\frac{3\pi}{4}, \frac{-5\pi}{4}$ #6

9. Draw the angle in standard position. Find the positive & negative coterminal angles.

$\frac{25\pi}{6}$

Positive: $\frac{\pi}{6}$

Negative: $\frac{-11\pi}{6}$

Previous Answer: 45°, -315° #2

10. Draw the angle in standard position. Find the positive & negative coterminal angles.

$\frac{2\pi}{3}$

Positive: $\frac{2\pi}{3}$

Negative: $\frac{-4\pi}{3}$

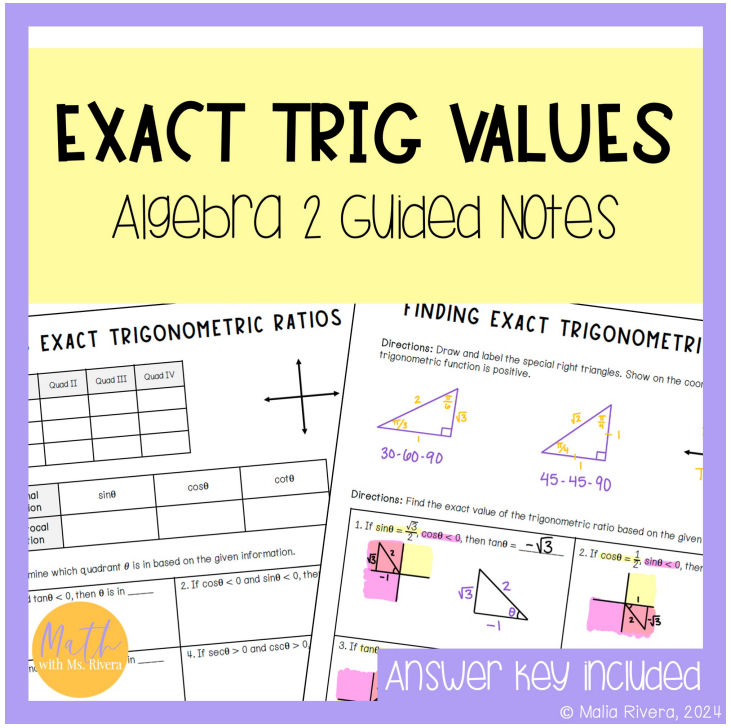
Challenge: Draw the angle 1125° in standard position. Find the positive and negative coterminal

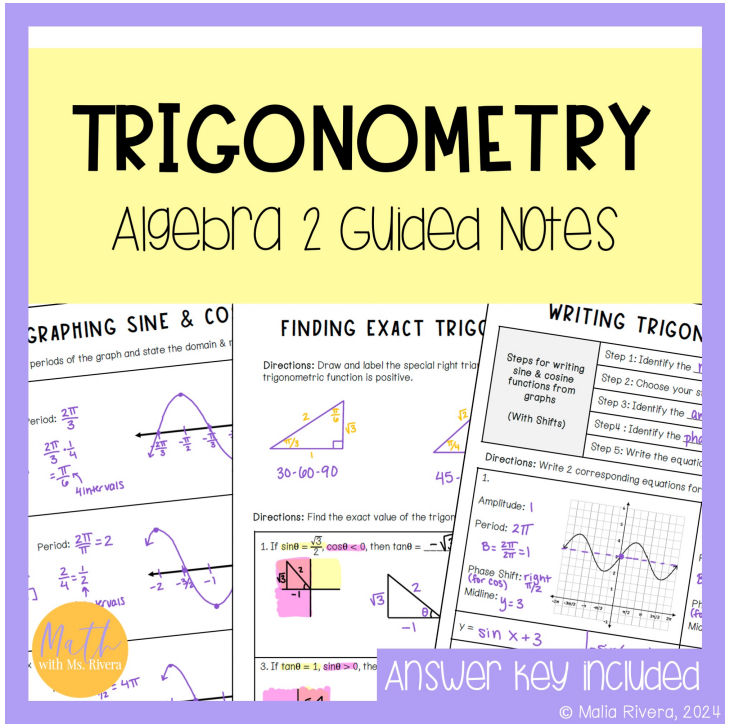
This is a great activity to use when reviewing angles in standard position and finding the positive and negative coterminal angles.

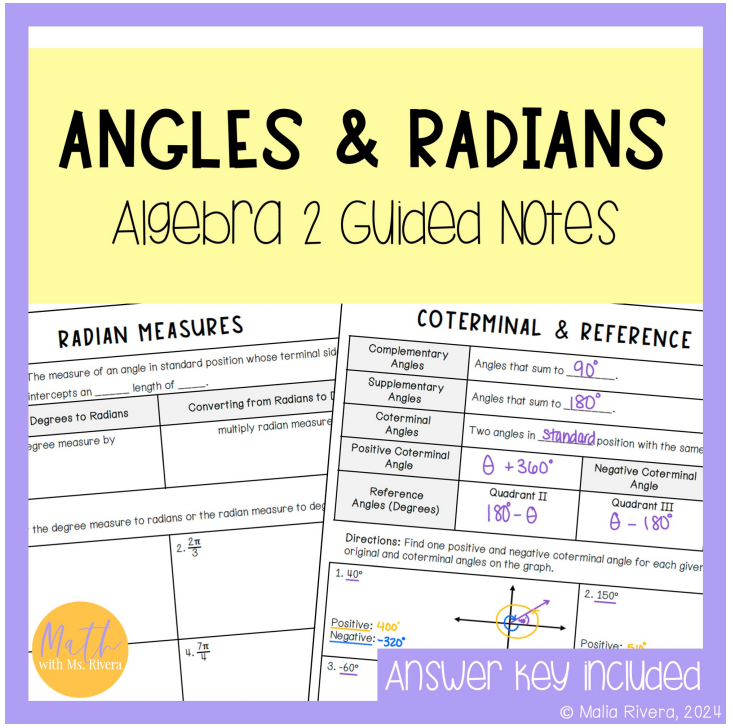
It can be used right after teaching the concept or as homework.

This is also a **substitute-friendly** assignment!

You may also *enjoy*...







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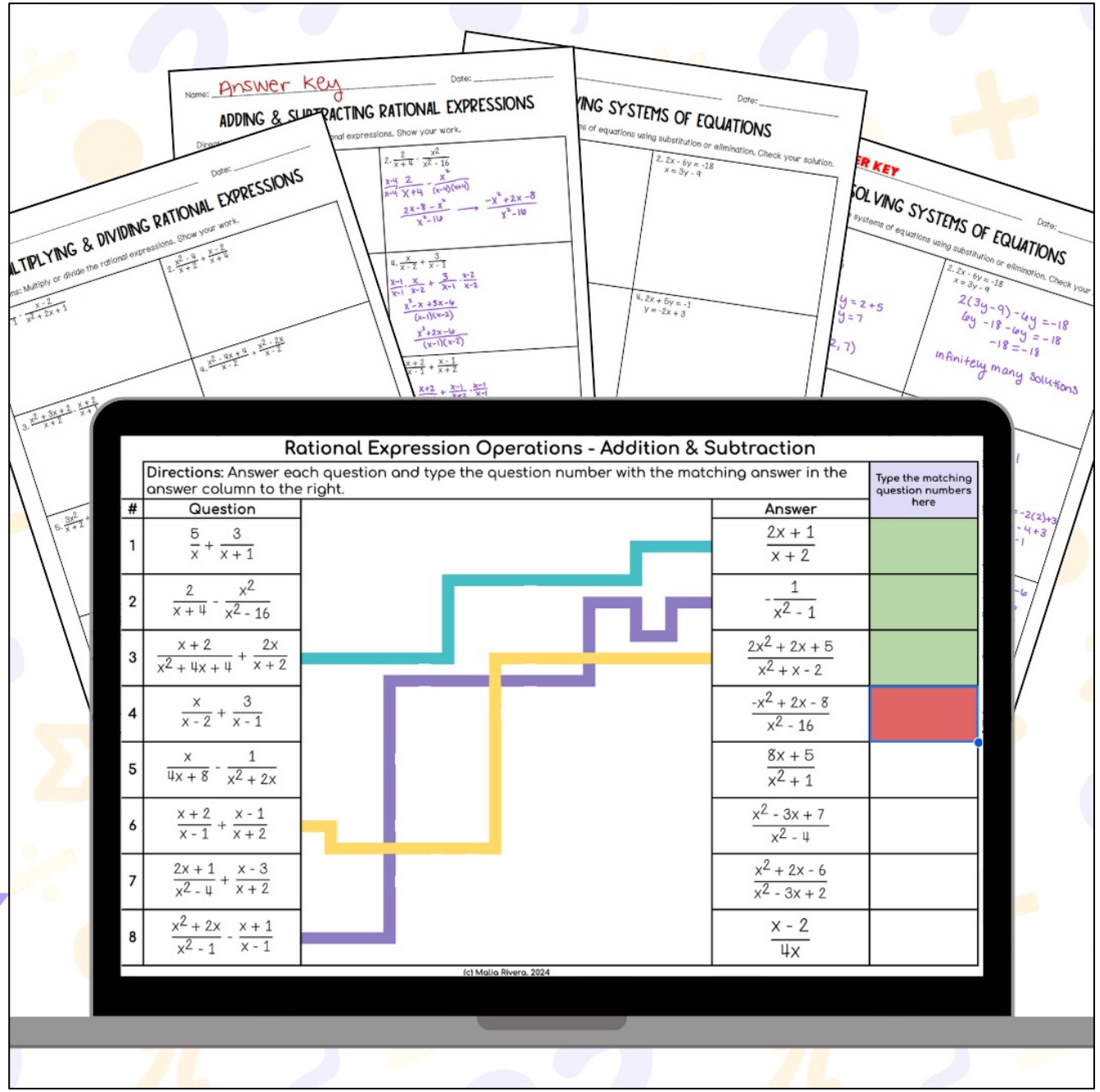

hey there!

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