WARM UP

Draw both special right triangles.



ESSENTIAL QUESTION

How does the unit circle correlate to sine and cosine?

NEEDED VOCAB: • Unit Circle GOAL: "I CAN... Find the coordinates of the unit circle for special triangle angle measures."

Using your drawings from the warm up, find the exact values for the following: $Let \times V$

Sin(30°)= $\frac{1}{2}$ Sin(45°)= $\frac{1}{2}$ Sin(60°)= $\frac{1}{2}$ Cos(30°)= 52 Cos(45°)= 52

Cos(60°)= 🍾





Use a calculator to find the following: Sin(0°)= Ø Cos(0°)=

Sin(90°)= 📘

Cos(90°)= 💋



Unit Circle Page 2



Using what we just did, fill in the right side of this coordinate plane. Then, working with your table, and using what you already know about the coordinate plane, fill in the left side.



Now fill in the bottom half of the unit circle.



https://tinyurl.com/snb6uvt



Homework

PRACTICE AND MEMORIZE THE COORDINATES FOR THE FIRST QUADRANT.