

The Unit Circle (Part 1)

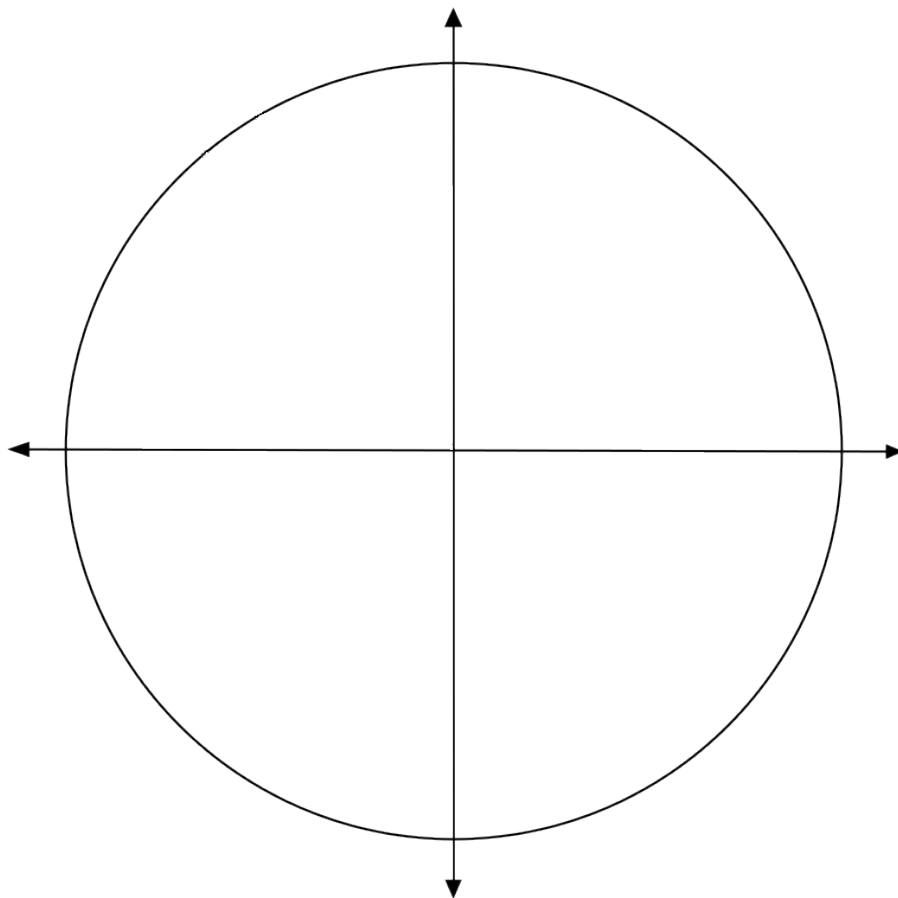
This lesson is not covered in your workbook. It is intended as a supplement to the Unit Circle topic from section 6.1 of the workbook.

Trigonometric Ratios – Exact Values

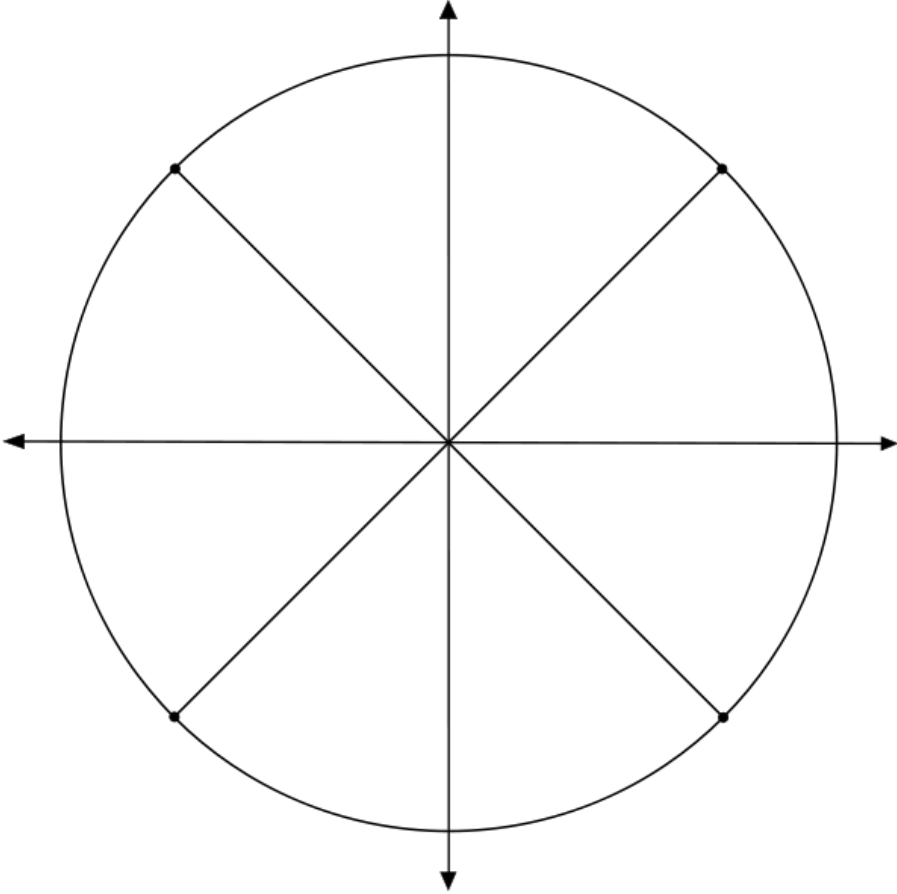
In previous lessons, we discussed how to use the special triangles to determine exact values of the trigonometric ratios for a variety of angles in each quadrant.

Today, we are going to use this method to identify all of the angles whose trigonometric ratios we are able to determine without a calculator. In addition, we are going to label all of the points on the unit circle that correspond to these angles.

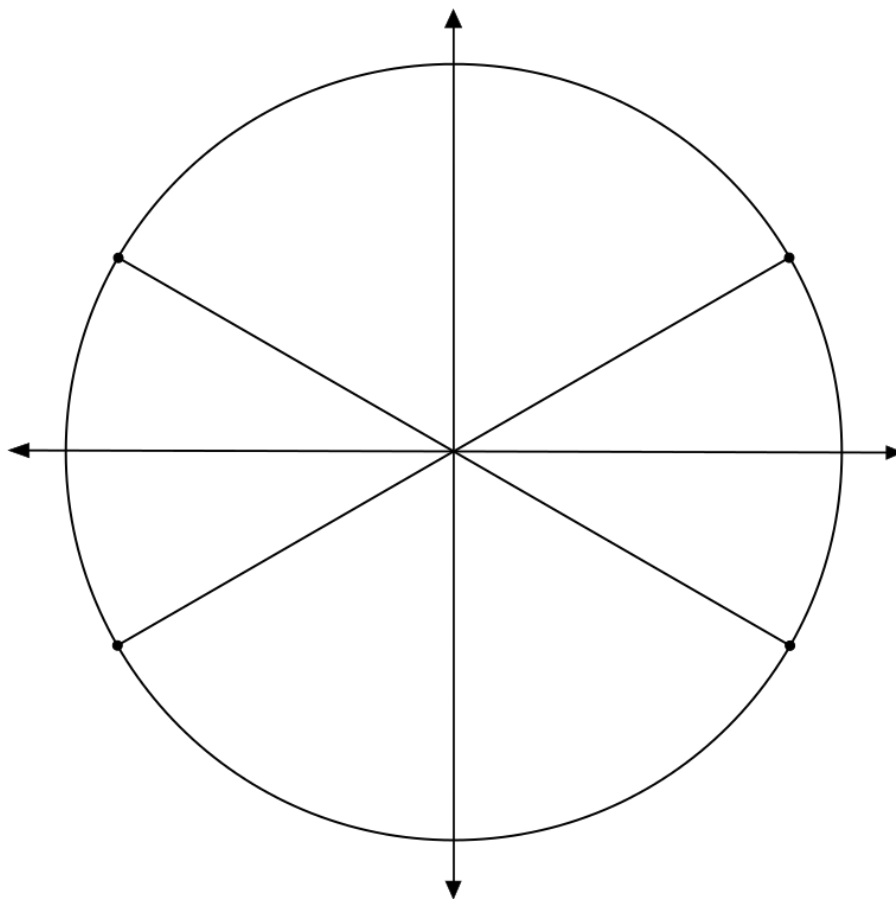
The Axis Family



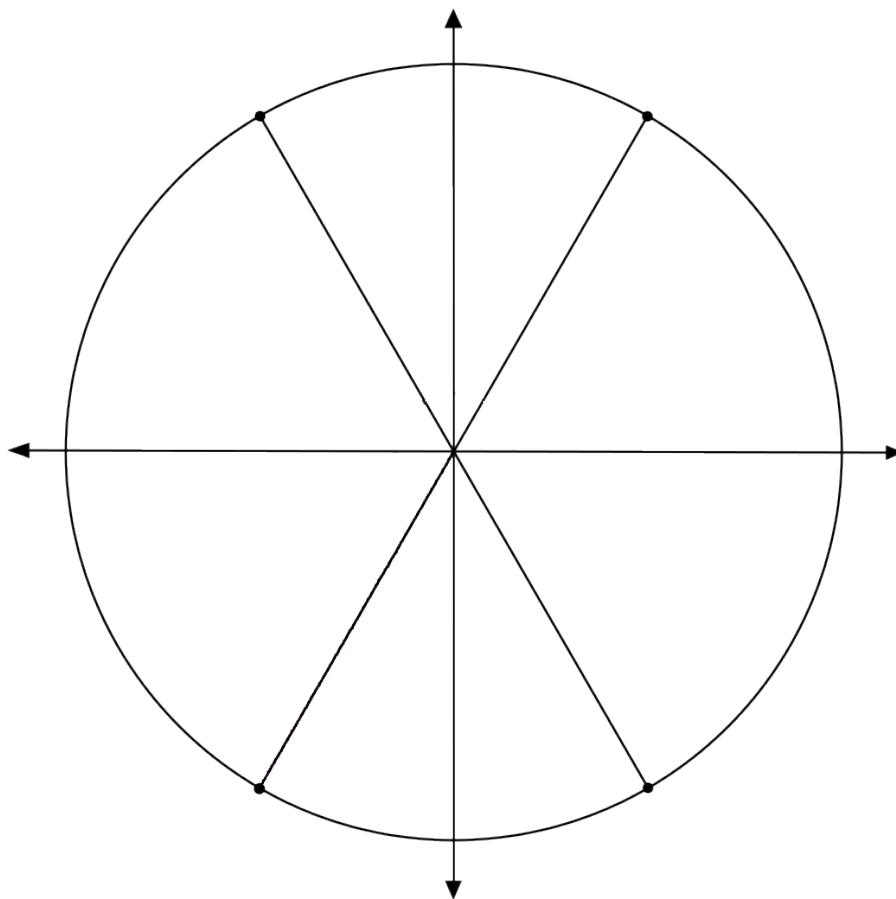
The 45° Family



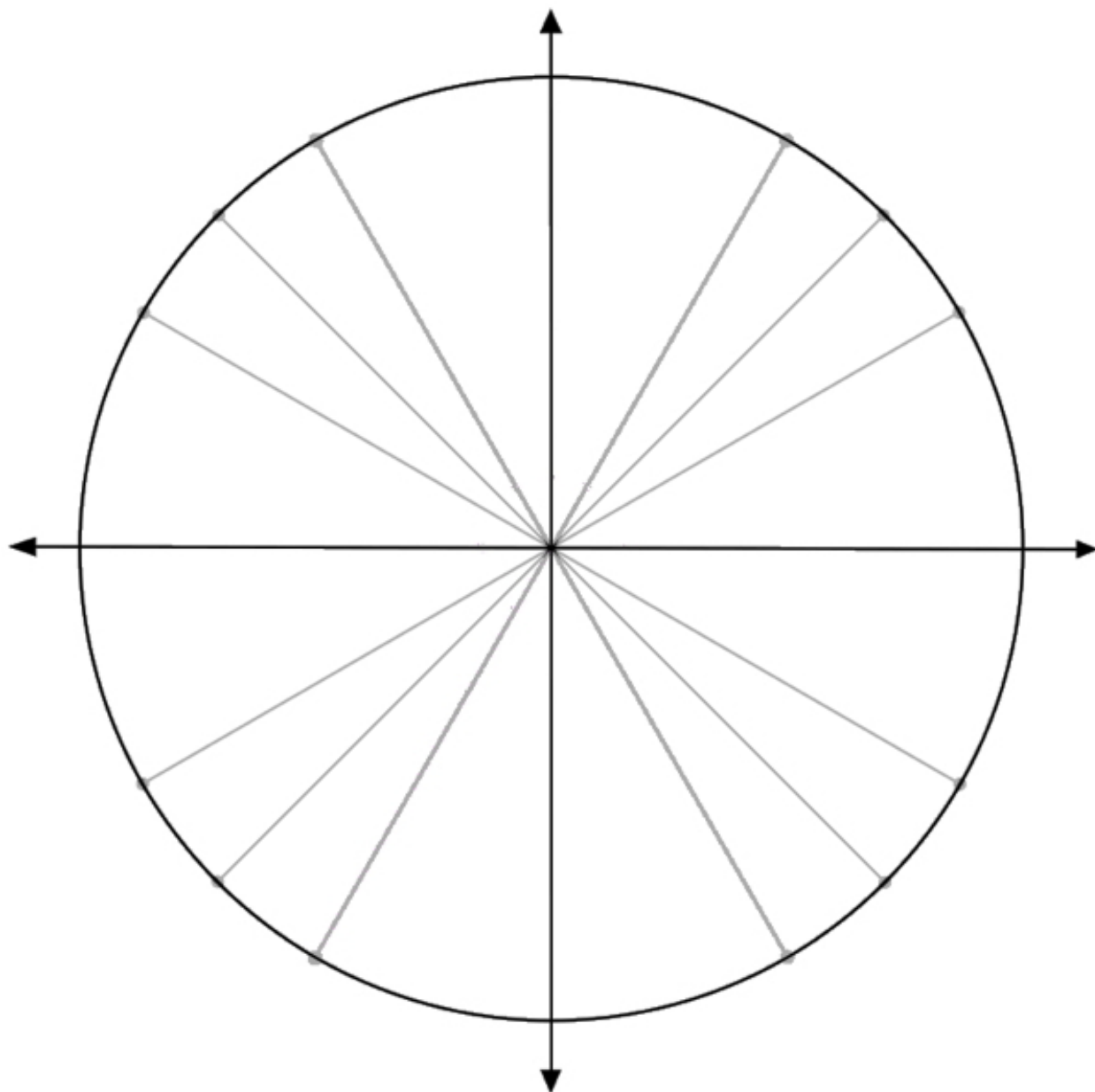
The 30° Family



The 60° Family



The Complete Unit Circle



Homework: #6 in the exercises (p. 474 – 480). Answers on p. 481.