

Unit Circle Exercises in Degrees

The prerequisite knowledge for this is being able to draw the special triangles and trigonometric ratios all from memory.

Instructions

For each angle:

1. Sketch the angle in standard position and complete the triangle. Hint: Bigger sketches are easier to keep neat.
2. Label the angle in standard position, the reference angle, and all sides of the triangle. Remember some sides are negative!
3. State all trigonometric ratios and check them on a calculator.
4. Check with the solutions. [Ignore sec, csc, and cot if in PC11 or lower.]

315°

120°

30°

150°

135°

225°

45°

210°

360°

90°

300°

60°

0°

270°

180°

330°

240°