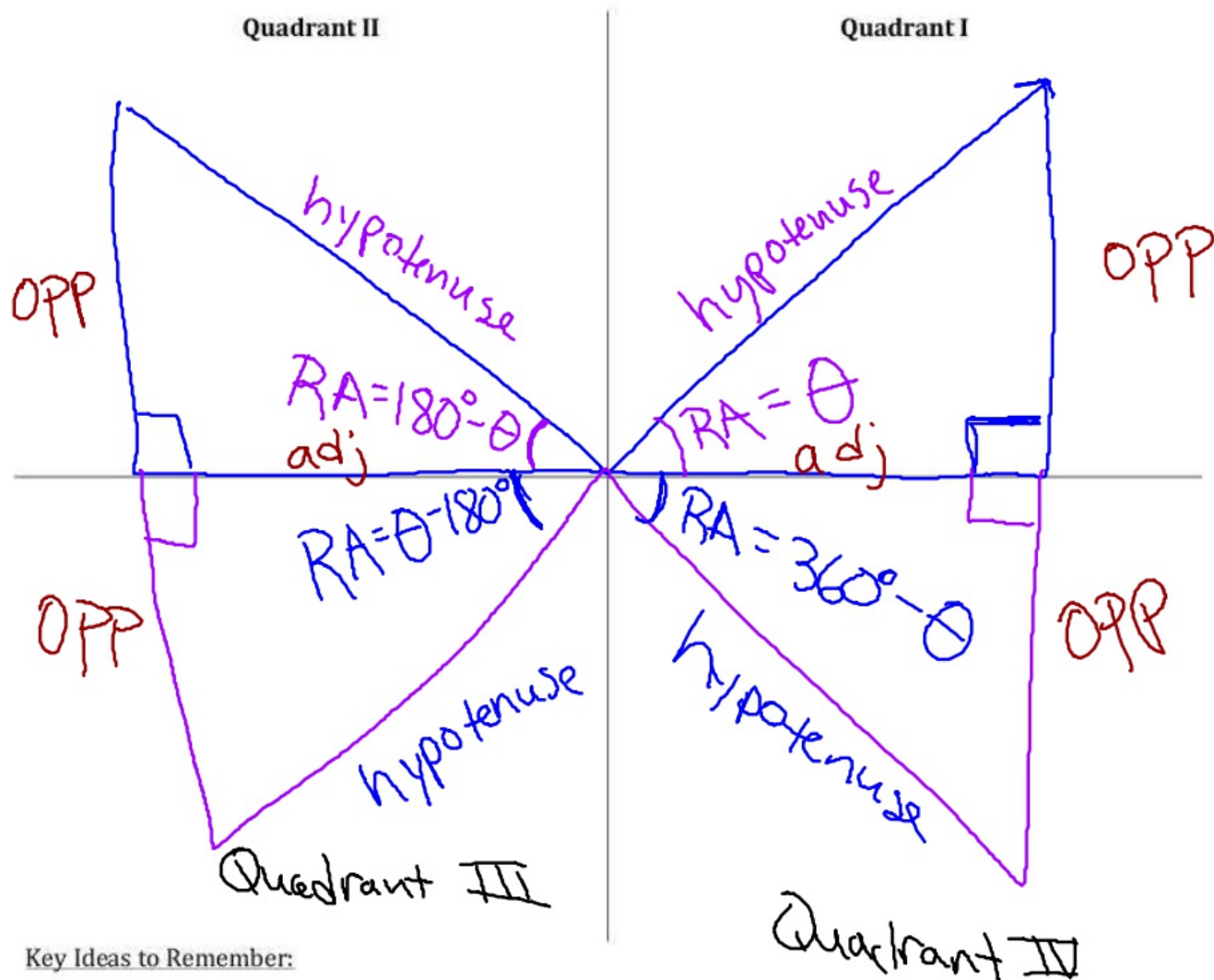


Name: _____ Hour: _____ Date: _____

HONORS - Reference Angles and Reference Triangles Notes

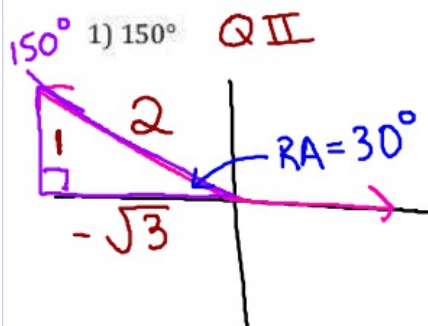
Determining the Reference Angle and Reference Triangle:



Key Ideas to Remember:

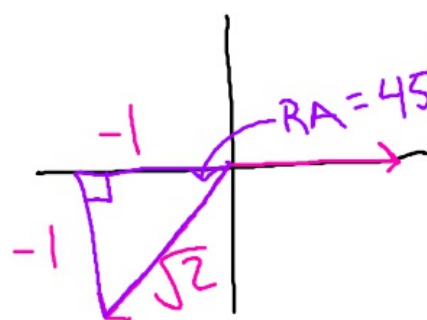
- most of our reference angles will be 30° , 45° or 60°
- adjacent is on x-axis
- OPP side is perpendicular to x-axis
- If the angle is negative find the positive coterminal

Examples: Sketch the reference triangles that correspond with the following angle measures. Identify the reference angle and label all sides of the reference triangle.



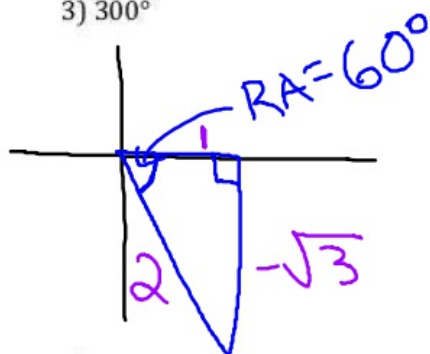
$$RA = 180^\circ - 150^\circ = 30^\circ$$

2) 225° Q III



$$RA = 225^\circ - 180^\circ = 45^\circ$$

3) 300°



$$RA = 360^\circ - 300^\circ = 60^\circ$$

4) 30°

