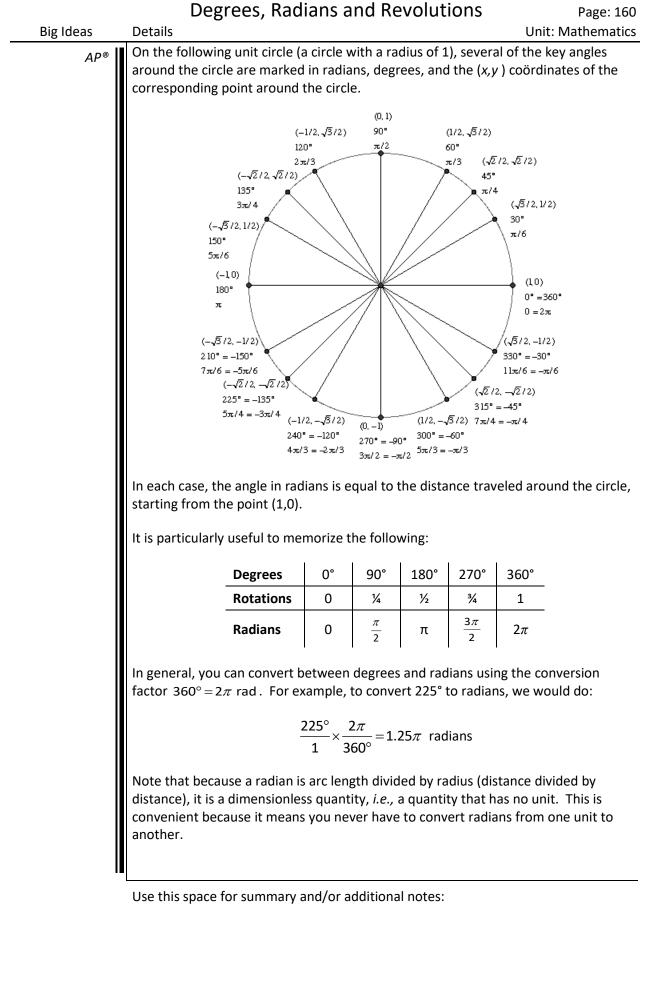


Use this space for summary and/or additional notes:



## Degrees, Radians and Revolutions

**Big Ideas** Details Unit: Mathematics Precalculus classes often emphasize learning to convert between degrees and AP® radians. However, in practice, these conversions are rarely, if ever necessary. Expressing angles in radians is useful in rotational problems in physics because it combines all of the quantities that depend on radius into a single variable, and avoids the need to use degrees at all. If a conversion is necessary, In physics, you will usually use degrees for linear (Cartesian) problems, and radians for rotational problems. For this reason, when using trigonometry functions it is important to make sure your calculator mode is set correctly for degrees or radians, as appropriate to each problem: ENG sin(π/2)\*i RADIAN 2sin(π/2 3234469 in a c IONNECTED 011 SEQUENTIA 5 H M θι. 1NEXT 1 TI-30 scientific calculator TI-83 or later graphing calculator If you switch your calculator between degrees and radians, don't forget that this will affect math class as well as physics!

Use this space for summary and/or additional notes: