

If you're feeling lost, try to pinpoint where the problems lie:

- ✓ I understand how to convert between degrees and radians.
- ✓ I understand how to take an angle in degrees, minutes and seconds and convert it to degrees only.
- ✓ I can label the 16 key points around the unit circle with degrees, radians and exact coordinates for x and y .
- ✓ I understand what a co-terminal angle is and I can produce both a positive and negative one if asked.
- ✓ I can use conversion factors to change units, for example from rotations per minute to cm per sec.
- ✓ I know the formulas for arc length and sector area and I know which ones are for degree and which ones are for radians.
- ✓ I understand that these formulas are derived using the central angle of the sector as a fraction of the whole circle.
- ✓ I can use these formulas to solve sector problems for S , K , r or θ .
- ✓ When two equations are necessary, I understand how to use substitution to solve the system.
- ✓ I remember the quadratic formula and also how to find the vertex of a parabola.
- ✓ I understand what apparent size is and that arc length is used to approximate the straight-line height or diameter of objects that are hard to measure due to their size or distance.
- ✓ I know what a reference angle is and I can find the reference angle for any angle in degrees or radians.
- ✓ I can express an angle "in terms of its reference angle".