

What you need to know!

1. Estimate the number of degrees or radians in an angle (positive and negative) given a sketch. **MGSE9-12.F.TF.2**
2. Sketch an angle in standard position (positive and negative) [degrees and radians] **MGSE9-12.F.TF.1**
3. Determine the quadrant of an angle in degrees or radians (positive and negative) **MGSE9-12.F.TF.1**
4. Determine the quadrant given constraints of trig functions i.e. $\cos\theta > 0$ and $\tan\theta < 0$. **MGSE9-12.F.TF.2**
5. Determine co-terminal angles, both positive and negative (degrees and radians) **MGSE9-12.F.TF.2**
6. Determine reference angles (degrees and radians) **MGSE9-12.F.TF.2**
7. *** (non-calculator) Determine the values of the six trig functions using the coordinates on the unit circle (may want to skip this part on the midterm) **MGSE9-12.F.IF.4**
8. Determine the values of the six trig functions using the calculator **MGSE9-12.F.IF.4**
9. Determine the values of the six trig functions using coordinates on the terminal side of an angle. **MGSE9-12.F.IF.4**
10. Find the values of the six trig functions given one value and a constraint **MGSE9-12.F.IF.4**
11. Find the missing side of a triangle **MGSE9-12.F.IF.4**
12. Convert from radians to degrees and degrees to radians **MGSE9-12.F.TF.2**