**Summary:**

1 variation. Sin, cos and tan ratios. Arc length.

**Question:**

A cone is produced by removing a quarter of a circle and joining the two edges. When you look at the code from the side, what angle is formed by the two sloping sides?

**Solution:**

Assume that the radius of the original circle = 1







On this cross section of the cone you can see the radius of the base and the radius of the original circle which becomes the slope height of the cone.

