While sine and cosine graphs take the form of waves, tan graphs can look very different.

Y equals tangent of x.

The key features of the graph are:

It has a periodic function that repeats every 180 degrees.

It always has a positive gradient.

The tangent function has roots, where its value is zero, at zero, 180 and 360 degrees.

It is undefined at 90 and 270 degrees.