```
In [1]: // Importar el paquete lets-plot-kotlin
        %use lets-plot
In [2]:
        // Definir la función seno
        fun seno(x: Double): Double {
            return sin(x)
In [3]: // Crear el conjunto de datos
        val datos = mapOf(
         "x" to (-20..20).map { it.toDouble() * PI / 10 }, // valores del ángulo entre -2\pi
         "y" to (-20..20).map { seno(it.toDouble() * PI / 10) } // valores del seno corres
        // visualizamos los datos para "x"
        println( "datos para el eje x" )
        println( datos.get("x") )
        println()
        // visualizamos los datos para "y"
        println( "datos para el eje y" )
        println( datos.get("y") )
        datos para el eje x
        [-6.283185307179586, -5.969026041820607, -5.654866776461628, -5.340707511102648, -
        5.026548245743669, -4.71238898038469, -4.39822971502571, -4.084070449666731, -3.76
        99111843077517, -3.455751918948772, -3.141592653589793, -2.827433388230814, -2.513
        2741228718345, -2.199114857512855, -1.8849555921538759, -1.5707963267948966, -1.25
        66370614359172, -0.9424777960769379, -0.6283185307179586, -0.3141592653589793, 0.
        0, 0.3141592653589793, 0.6283185307179586, 0.9424777960769379, 1.2566370614359172,
        1.5707963267948966, 1.8849555921538759, 2.199114857512855, 2.5132741228718345, 2.8
        27433388230814, 3.141592653589793, 3.455751918948772, 3.7699111843077517, 4.084070
        449666731, 4.39822971502571, 4.71238898038469, 5.026548245743669, 5.34070751110264
        8, 5.654866776461628, 5.969026041820607, 6.283185307179586]
        datos para el eje y
        [2.4492935982947064E-16, 0.3090169943749476, 0.5877852522924734, 0.809016994374947
        6, 0.9510565162951536, 1.0, 0.9510565162951535, 0.8090169943749473, 0.587785252292
        473, 0.3090169943749469, -1.2246467991473532E-16, -0.3090169943749475, -0.58778525
        22924732, -0.8090169943749475, -0.9510565162951536, -1.0, -0.9510565162951535, -0.
        8090169943749475, -0.5877852522924731, -0.3090169943749474, 0.0, 0.309016994374947
        4, 0.5877852522924731, 0.8090169943749475, 0.9510565162951535, 1.0, 0.951056516295
        1536, 0.8090169943749475, 0.5877852522924732, 0.3090169943749475, 1.22464679914735
        32E-16, -0.3090169943749469, -0.587785252292473, -0.8090169943749473, -0.951056516
        2951535, -1.0, -0.9510565162951536, -0.8090169943749476, -0.5877852522924734, -0.3
        090169943749476, -2.4492935982947064E-16]
In [4]: // Crear la capa
        val capa = geomLine {
            // Mapear los datos a los ejes
            x = "x"
            y = "y"
In [5]: // Crear el gráfico
        val grafico = ggplot(datos) + capa
        // Mostrar el gráfico
```

grafico.show()

