```
In[9]:= PrimePiApprox[x_] := If[x < 2, 0, Floor[x / Log[x]]]</pre>
G[x_] := Module[{e = Exp[1], logx, piX, piXDivE}, logx = Log[x];
  piX = PrimePiApprox[x];
  piXDivE = PrimePiApprox[x / e];
  piX^2 - (e * x / logx) * piXDivE]
xMin = Exp[59];
xMax = Exp[3159];
xValues = Exp[Range[Log[xMin], Log[xMax], (Log[xMax] - Log[xMin]) / 100]];
gValues = G /@ xValues;
logNegGValues = Log[Abs[-gValues]];
ListLogLogPlot[Transpose[\{Log[xValues], logNegGValues\}], PlotStyle \rightarrow Magenta, \\
 AxesLabel \rightarrow {"Log x", "Log(-G(x))"}, PlotLabel \rightarrow "Plot of Log (-G(x)) against Log x",
 GridLines → None, AspectRatio → 1 / GoldenRatio]
               Plot of Log (-G(x)) against Log x
```



