

```
In[4]:= xPoints =
  Flatten @ Values[
    NSolve[D[Sin[4 x^2], x] == 0 && -Pi/2 ≤ x ≤ Pi/2,
      x
    ]
  ]
Out[4]= {-1.40125, -1.0854, -0.626657, 0., 0.626657, 1.0854, 1.40125}
```

```
In[5]:= Plot[
  Sin[4 x^2],
  {x, -Pi/2, Pi/2},
  PlotStyle → Black,
  Ticks → None,
  Epilog → {
    PointSize@0.02,
    Table[
      Point[
        {xPoints[[n]], Sin[4 x^2] /. x → xPoints[[n]]}
      ],
      {n, 1, Length[xPoints]}
    ]
  }
]
```

