Type some Sage code below and press Evaluate.

```
realpoly.<x>=PolynomialRing(RR)
print(factor(x^2 - 2))
print(factor(x^2 + 2))

ratpoly.<y>=PolynomialRing(QQ)
print(factor(y^2 - 9/25))
print(factor(y^2 + 9/25))

complexpoly.<z>=PolynomialRing(CC)
print(factor(z^2 + 2))
```

Evaluate

Language: Sage

Share

```
(x - 1.41421356237310) * (x + 1.41421356237310)
x^2 + 2.00000000000000
(y - 3/5) * (y + 3/5)
y^2 + 9/25
(z - 1.41421356237310*I) * (z + 1.41421356237310*I)
```

Permalink
Short temporary link

About

SageMathCell project is an easy-to-use web interface to a free
software system SageMath.

It allows **embedding Sage computations into any webpage**: check out short instructions
or comprehensive description of capabilities.

Resources for your computation are provided by Departamento de Matemáticas,
Universidad Autónoma de Madrid. You can easily set up your own server.

General Questions on Using Sage

There are a lot of resources available to help you use Sage. In particular, you may ask
questions on sage-support discussion group or ask.sagemath.org website.

Problems and Suggestions

If you experience any problems or have suggestions on improving this service (e.g., you

want a package installed), please email Andrey Novoseltsev.

SageMathCell is expected to work with any modern browser and without any downtime.

Need more power and flexibility but still prefer to avoid your own installation of Sage? CoCalc will allow you to work with multiple persistent worksheets in Sage, IPython, LaTeX, and much, much more!