

NAME :

1. Type the following sequence of commands in a Sage cell

```
var('x, y')  
p = x*y  
x = 4
```

Explain the outcome of `print p`. Is this what you expected?

Without changing the order in the sequence of commands above, what is the extra Sage command that uses `p` to obtain `4*y`?

2. Use $x^7y^2 + 31.5x^2 - y^4 + 3.12$ to make an object of the class `ExpressionCall`.

Do *not* write the output of the print of this object, but use the output to draw the expression tree.

Homework Assignment:

Bring to class on Monday the print out of a Sage notebook with your answers to assignments 1 and 2 of Lecture 5; assignments 2, 4 of Lecture 6; and assignment 2 of Lecture 7.

Questions requiring an explanation must be answered with a couple of complete sentences.