Digital Tools For Finance

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1 1. Part

1.1 Math questions

What is the value of x?

1. $x_1 + 5 = 6$
2. $x_2^2 = 4$
3. $x_3^{10} = 1$
4. $x_4^{3^5} = 1$

   ...

10. $x_{10} * 2 = 50$
11. $\log_{10}(x_{11}) = 100$
12. $\sqrt[3]{x_{12}} = 8$
13. $\frac{x_{13}}{6} = 2$
14. $x_{14} \left(\frac{3}{4}\right) = 16$

What is the value for these Greek letters?
$\pi + 3 = 5$
$\lambda/4 = 10$

1.2 Writing style

Other cool writing:

$$\left\{ \frac{x_a}{n}\Big|_a \; a = 2 \right\}$$

Show the use of the displaystyle:
We have difficulties with reading this small fraction $\frac{x_a}{6}$
Now here $\displaystyle\frac{x_a}{6}$ we can clearly see the a under the x.

2 2. Part

2.1 Table

Here is a *simple* but **good** looking table

x	1	2	3
$f(x)$	10	11	12

2.2 Equation Array

Here follows an example of an equation array

$$5x^2 = 20 \quad (1)$$
$$300x = 60 \quad (2)$$
$$x \approx \pm 1.732 \quad (3)$$

2.3 Macros

Here is my macro $y = \frac{x}{3x^2+x+1}$

2.4 Graphics