

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:

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

Show the use of the `displaystyle`:

We have difficulties with reading this small fraction $\frac{x_a}{6}$

Now here $\frac{x_a}{6}$ 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

$$\begin{array}{rcl} 5x^2 & = & 20 \\ 300x & = & 60 \\ x & \approx & \pm 1.732 \end{array} \begin{array}{l} (1) \\ (2) \\ (3) \end{array}$$

2.3 Macros

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

2.4 Graphics

