

Homework 1: Introduction to L^AT_EX

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1

Solve for x:

$$\begin{aligned}3 + \frac{x}{4} &= 9 \\ \frac{x}{4} &= 9 - 3 \\ \frac{x}{4} &= 6 \\ x &= 6 \cdot 4 \\ x &= 24\end{aligned}$$

2

Make and center the following table:

Symbol	Name
\mathbb{R}	Real numbers
\mathbb{Q}	Rational numbers
\mathbb{Z}	Integers
\mathbb{C}	Complex numbers

3

Define a custom code listing style of your choice, with the language set to Python. Then, use it to format the following simple Python program, which prints a given Fibonacci number:

```
1 def fibonacci(n):  
2     if n==1 or n==2:  
3         return 1  
4     else:  
5         return fibonacci(n-1) + fibonacci(n-2)  
6 print (fibonacci(22))
```

4

Build a customized title page:

Pale Blue Dot

A vision of the human future in space

Carl Sagan