

Easy:

1. What 2 keys do we need to enter math mode? (Windows)
2. What is the order of them?
3. Should we use slash or back slash to generate expressions?
4. After writing down the commands, should we press space bar or enter to get the result?
5. Are commands case sensitive?

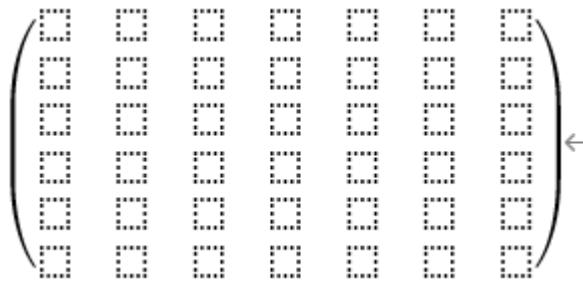
6-10. Please print: $\alpha \beta \gamma \delta \theta$ using commands

Medium:

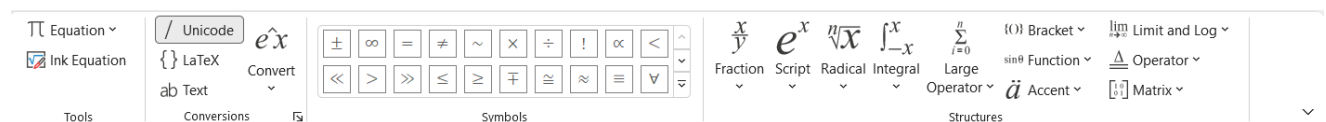
11: Please print a 3x3 matrix without brackets



12. Please print a 6x7 matrix with brackets



Before entering next question, here let me introduce a change in the top side of Word. Once entering math model, you will find it becomes this:



There are so many built-in functions and what we should do is to take good use of them

13. Please print out 3 different dots as follows: (midline dots, vertical dots, diagonal dots)



14. Please print $\int_1^2 x^2 dx$

15. Please print \bar{x} and \hat{x} as follows:

Hard:

16-20: Generate following expressions:

$$e^{i\pi} + 1 = 0$$

$$\sqrt[n+1]{a+b}$$

$$P(X = k) = \frac{\lambda^k}{k!} e^{-\lambda}$$

$$\int u dv = uv - \int v du$$

$$f(x) = \frac{1}{\sqrt{2\pi}} e^{-\frac{x^2}{2}}$$