



**С Днём  
студента!**





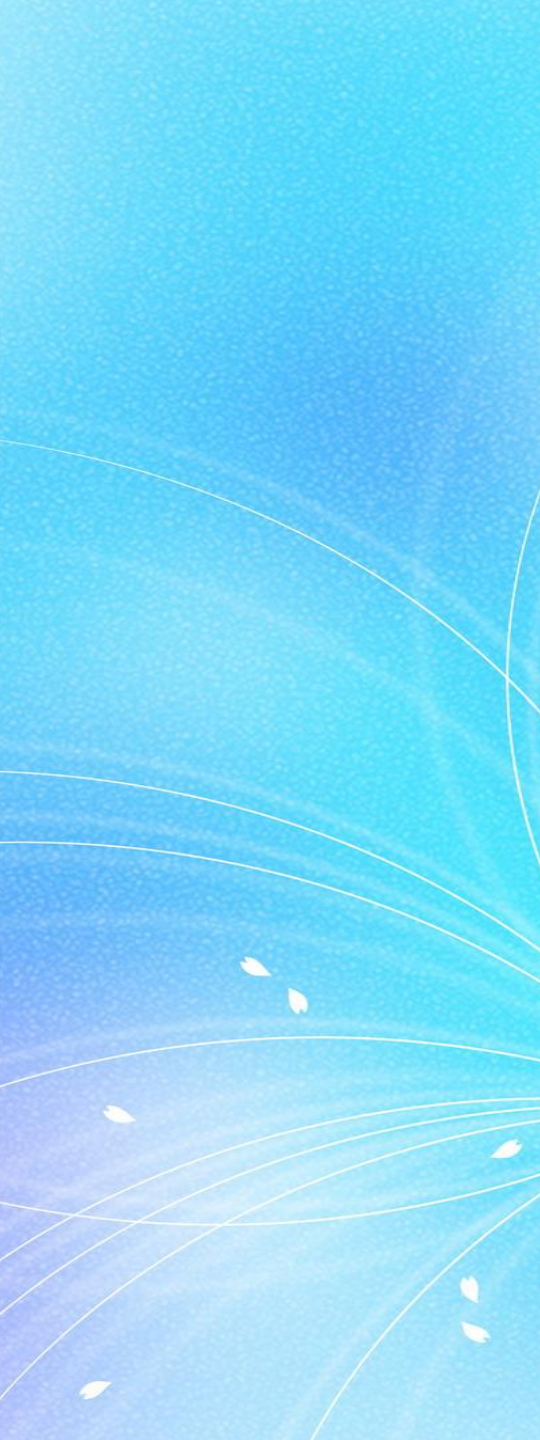
















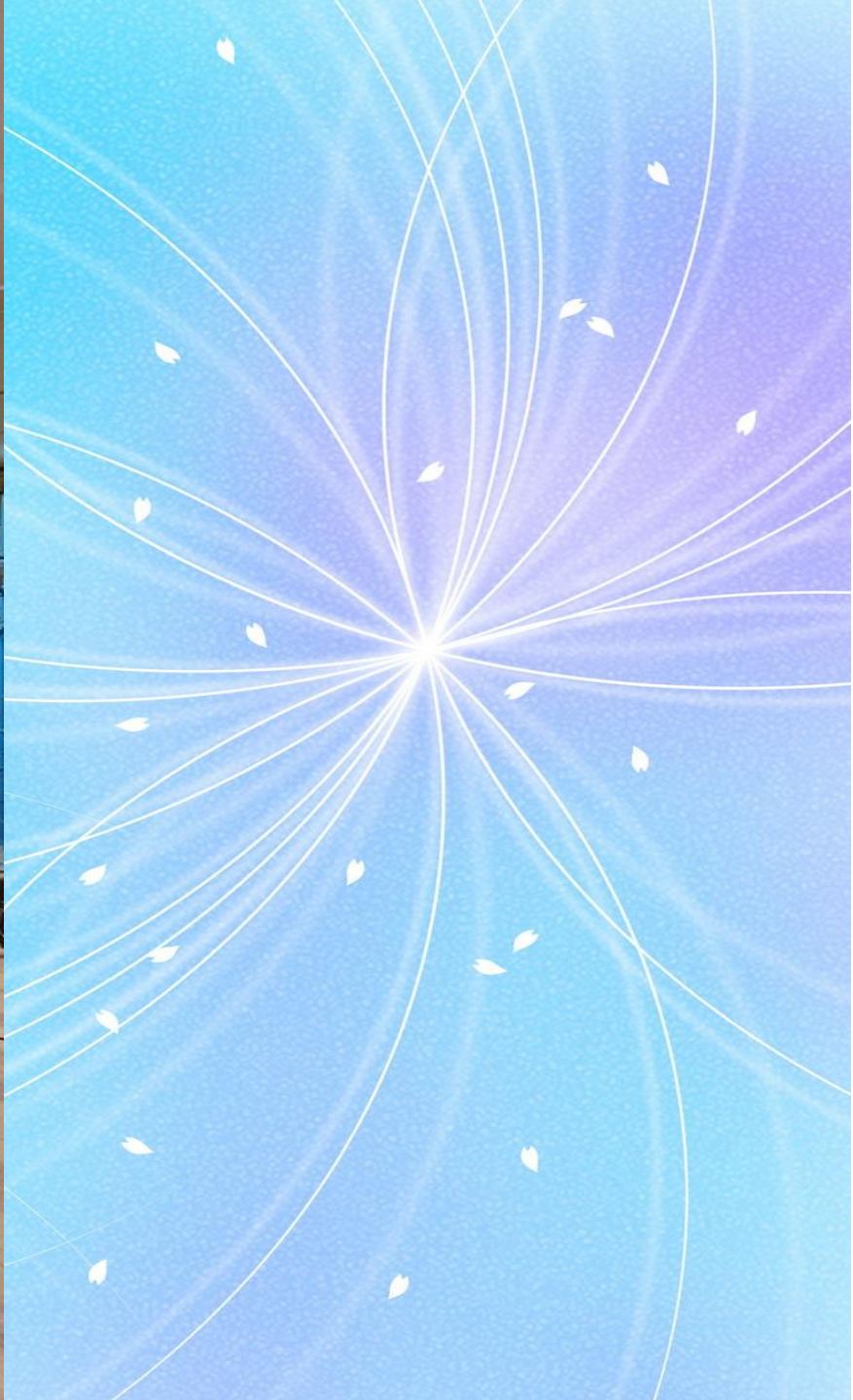
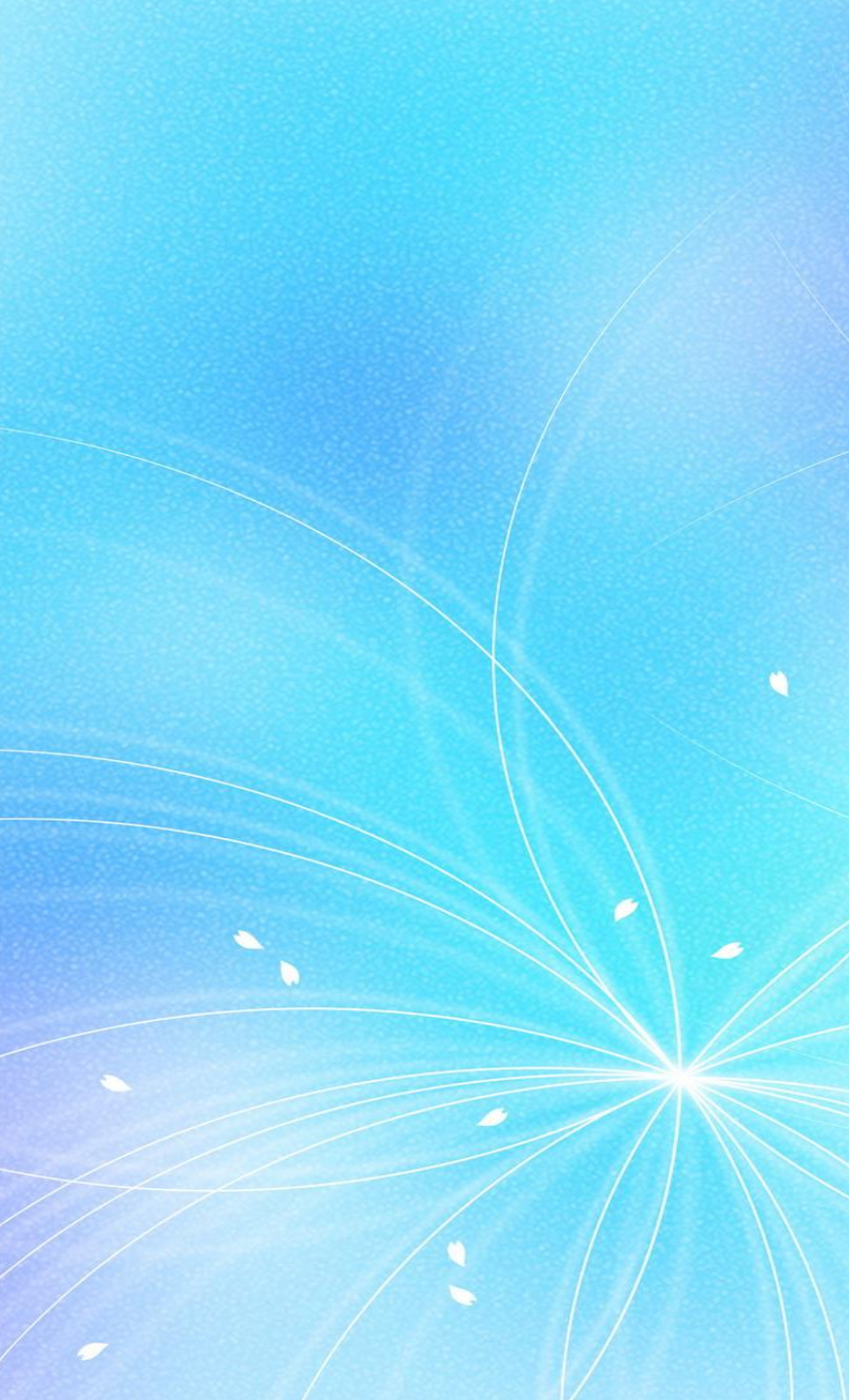


































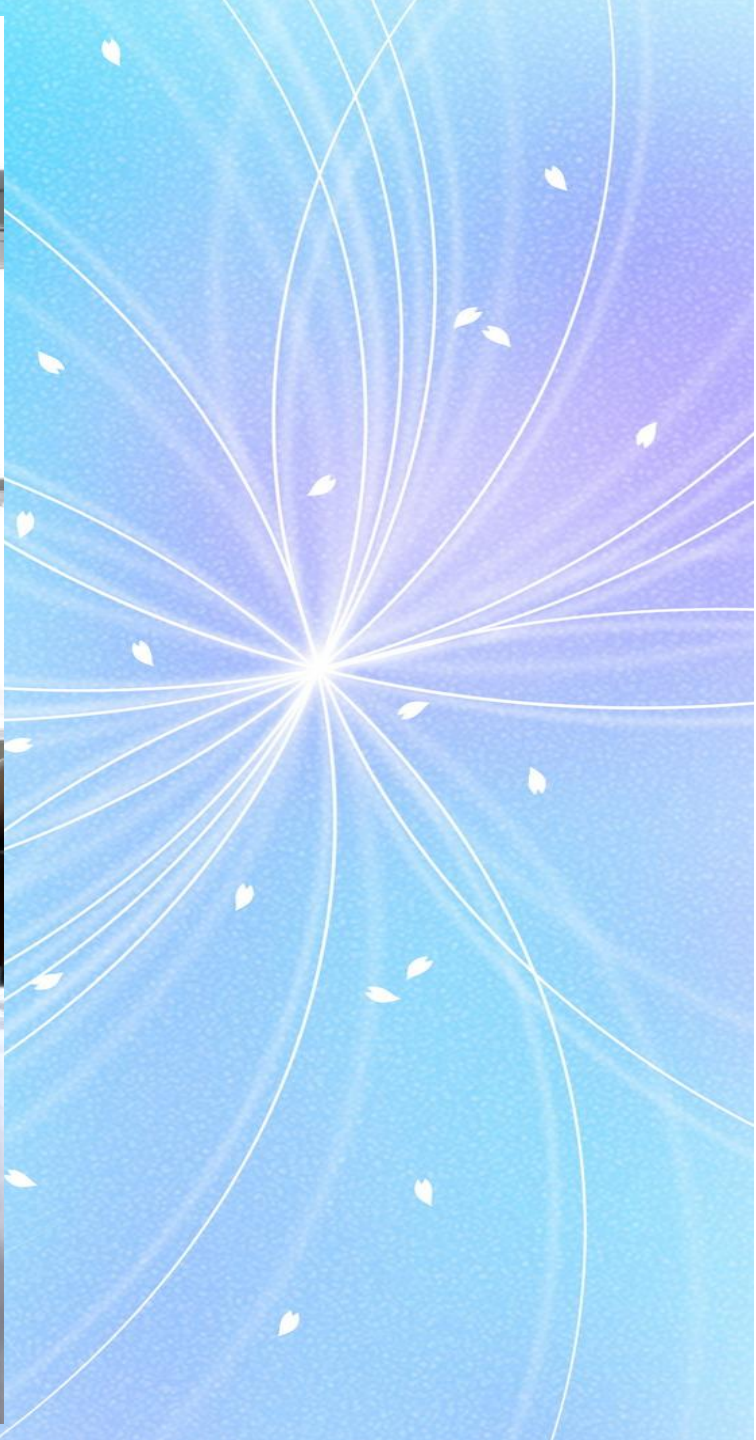
С Днём Студента!  
Лёгких тебе сессий!



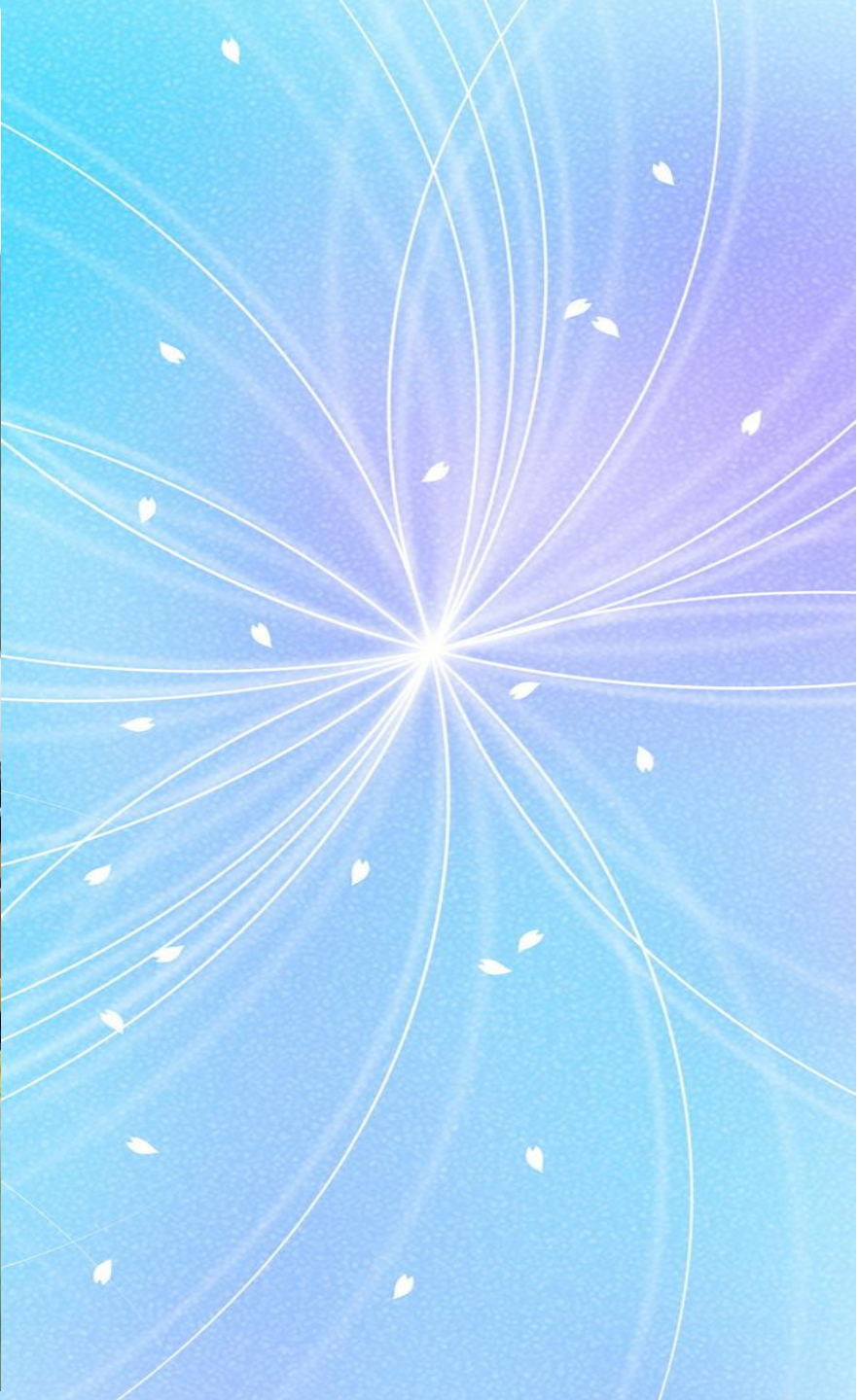
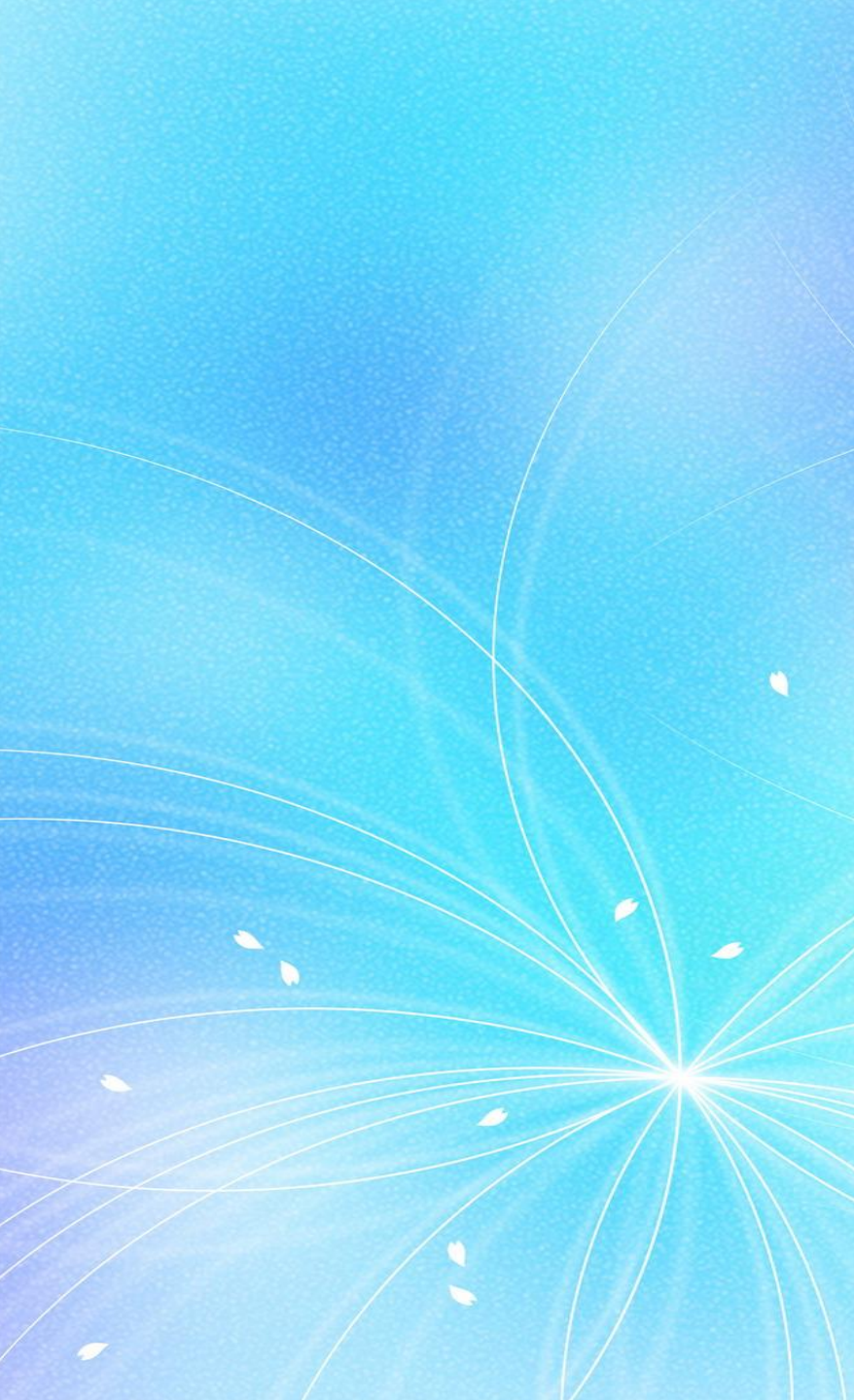




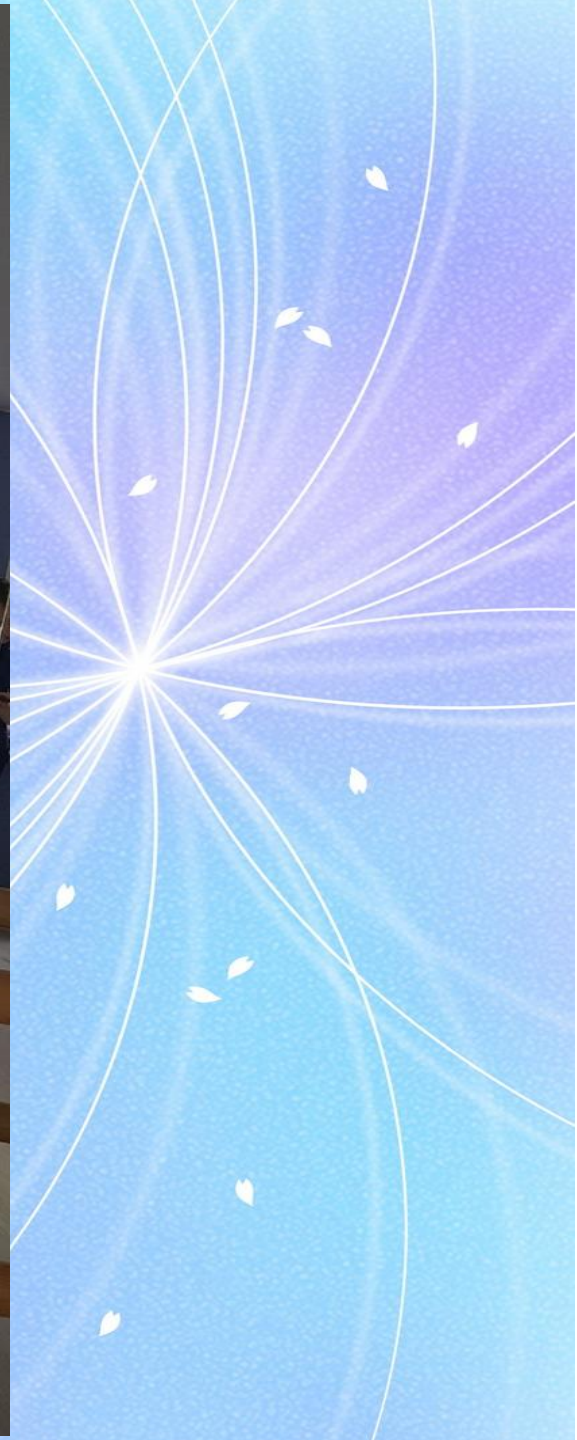








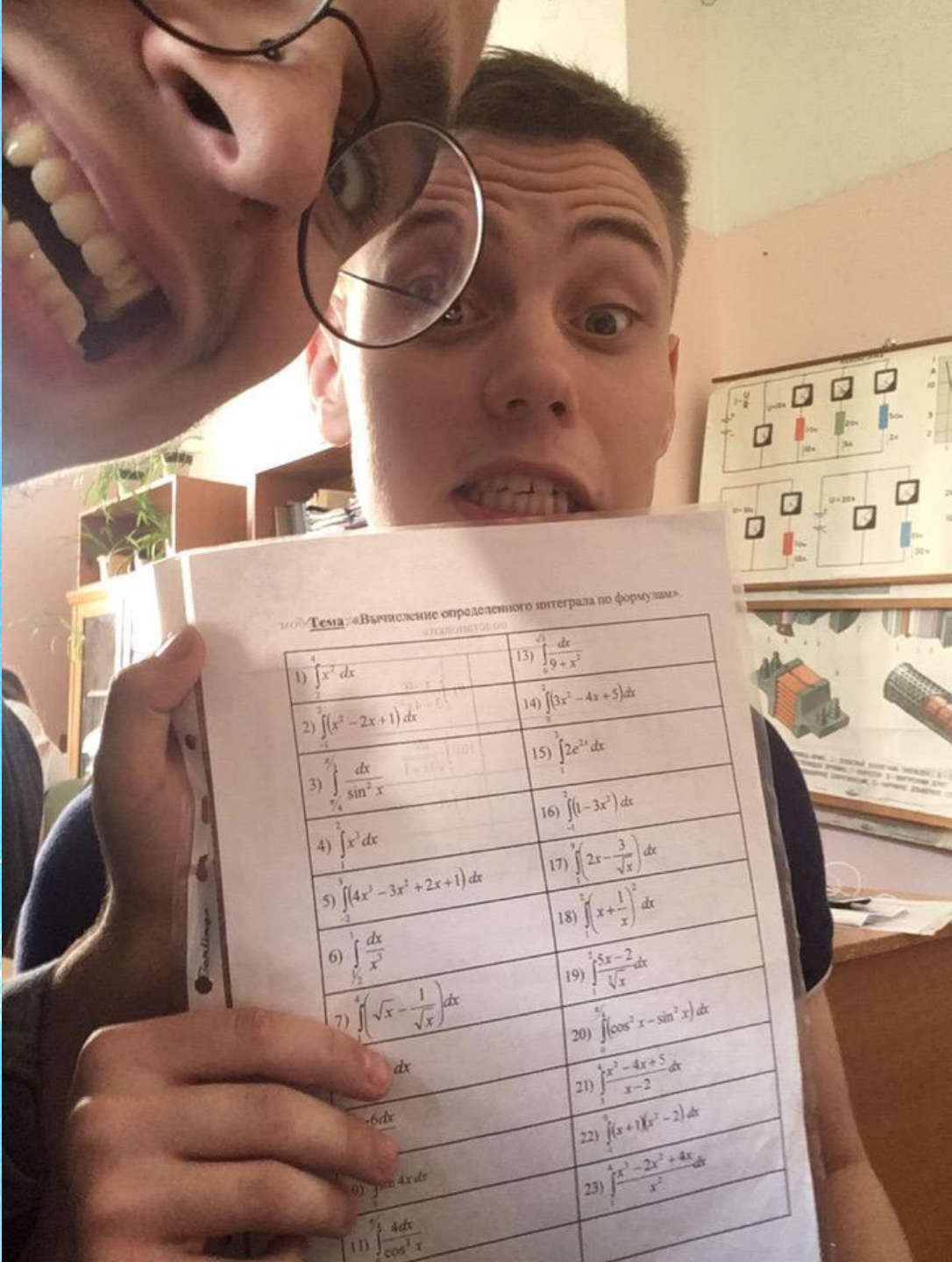










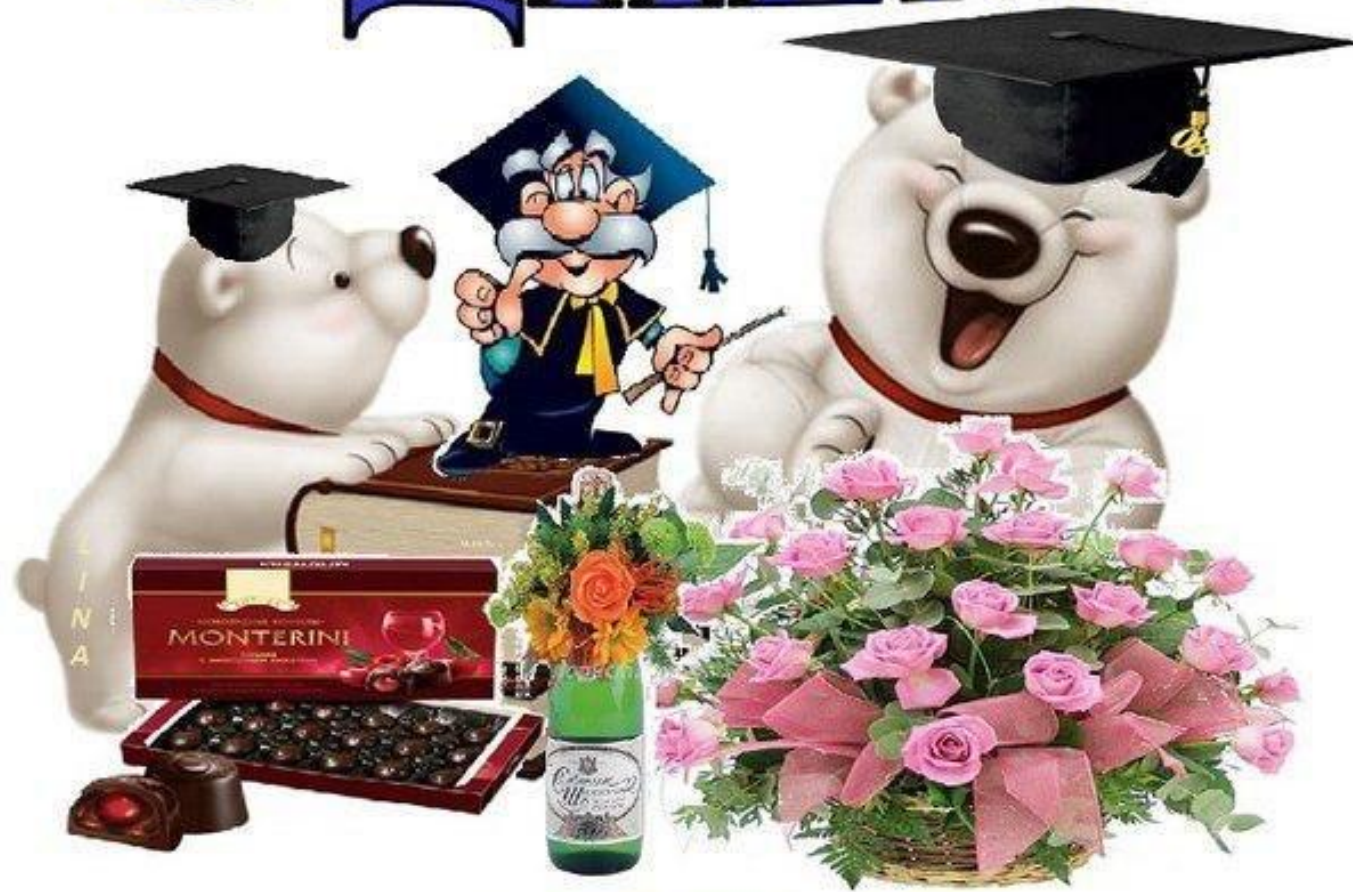


Тема: «Вычисление определенного интеграла по формулам»  
АЛГЕБРА И МЕТОДЫ

- |   |  |
|---|--|
| 1) $\int_2^4 x^2 dx$  | 13) $\int_0^1 \frac{dx}{9+x^2}$                          |
| 2) $\int_0^2 (x^2 - 2x + 1) dx$                               | 14) $\int_0^1 (3x^2 - 4x + 5) dx$                        |
| 3) $\int_{\frac{\pi}{4}}^{\frac{\pi}{2}} \frac{dx}{\sin^2 x}$ | 15) $\int_0^1 2e^{2x} dx$                                |
| 4) $\int_1^2 x^3 dx$  | 16) $\int_{-1}^1 (1 - 3x^2) dx$                          |
| 5) $\int_2^4 (4x^3 - 3x^2 + 2x + 1) dx$                       | 17) $\int_1^9 \left( 2x - \frac{3}{\sqrt{x}} \right) dx$ |
| 6) $\int_{\frac{1}{2}}^1 \frac{dx}{x^2}$                      | 18) $\int_1^2 \left( x + \frac{1}{x} \right) dx$         |
| 7) $\int_1^4 \left( \sqrt{x} - \frac{1}{\sqrt{x}} \right) dx$ | 19) $\int_1^4 \frac{5x-2}{\sqrt{x}} dx$                  |
| 8) $\int_0^1 x dx$  | 20) $\int_0^{\frac{\pi}{2}} (\cos^2 x - \sin^2 x) dx$    |
| 9) $\int_0^1 x^2 dx$  | 21) $\int_0^1 \frac{x^2 - 4x + 5}{x-2} dx$               |
| 10) $\int_0^1 \sin 4x dx$                                     | 22) $\int_0^1 (x+1)(x^2-2) dx$                           |
| 11) $\int_0^{\frac{\pi}{2}} \frac{4dx}{\cos^3 x}$             | 23) $\int_0^1 \frac{x^3 - 2x^2 + 4x}{x^2} dx$            |



С ДНІЄМ



СТУДЕНТА













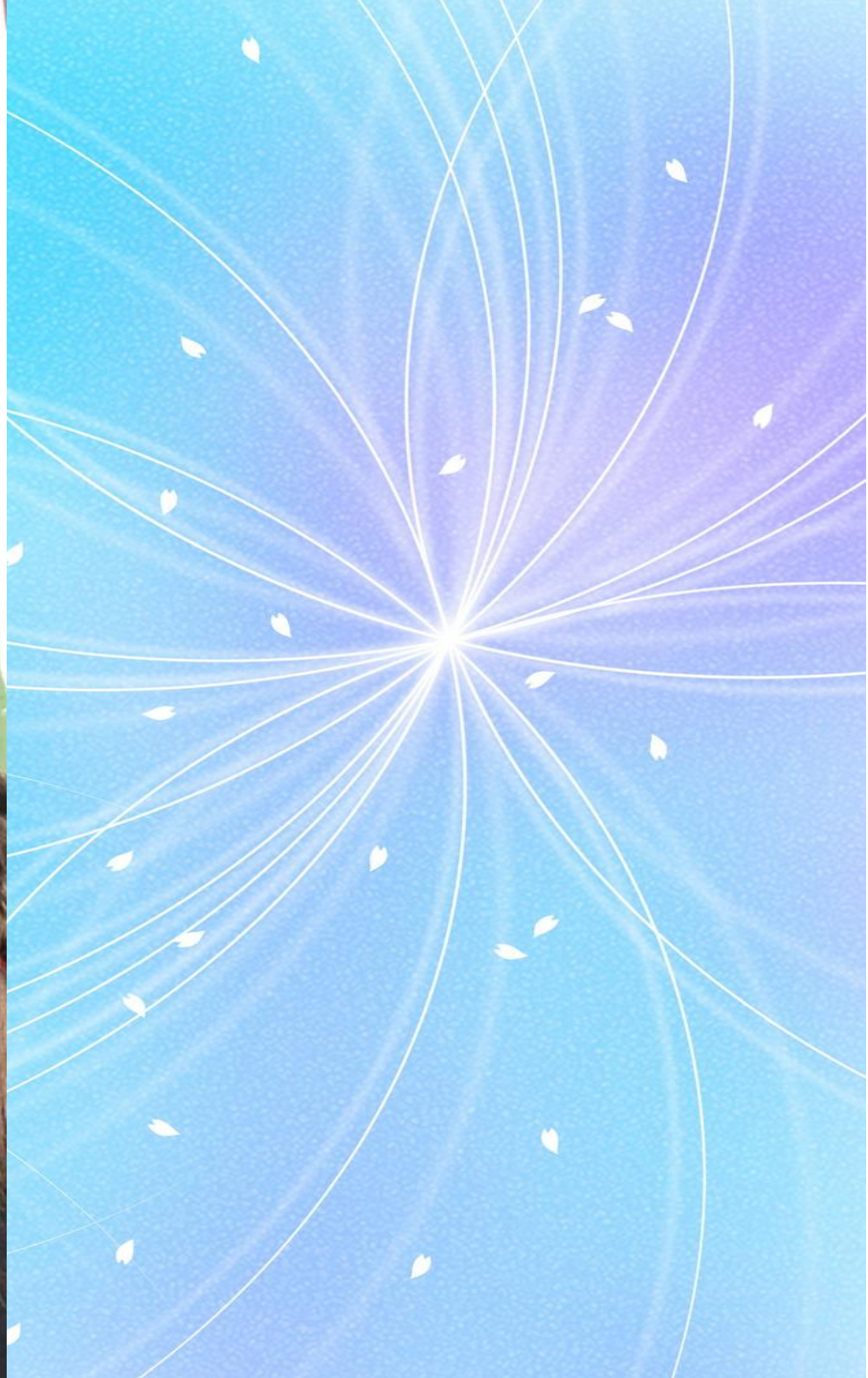
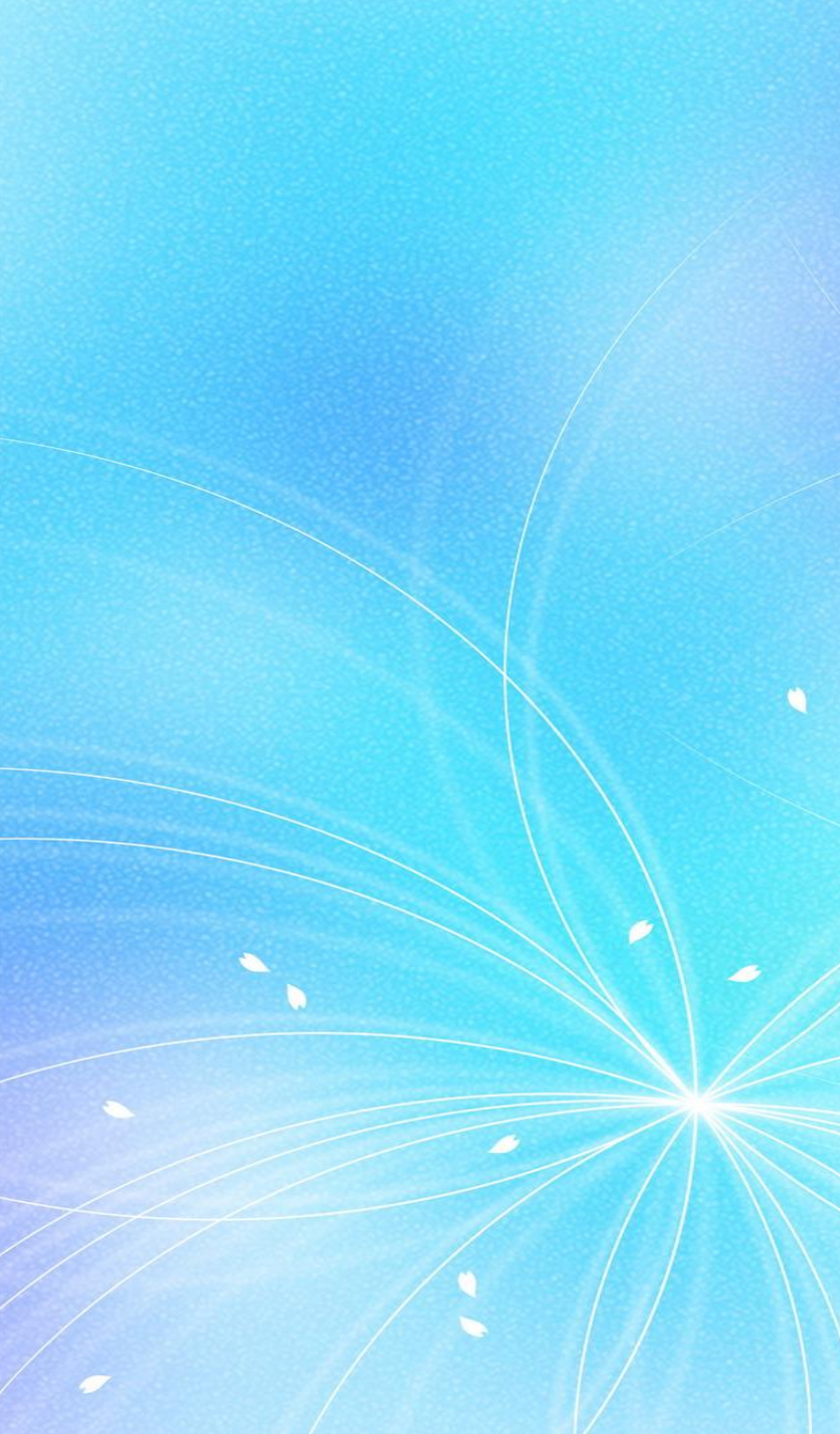














# ДЕНЬ СТУДЕНТА













