

1. 0

2. -160

3. $\frac{1+1000\pi^2}{\pi}$

4. $\frac{297}{2}$

5. 34

6. $\frac{3}{2} + \sqrt{122}$

7. 0

8. 65

9. $\frac{130}{3}$

10. $xe^x + 3x^2e^{x^3} - e^{\sin x}$

11. $\frac{64\pi}{3}$

12. $\frac{163}{15}$

13. 8

14. $\frac{\pi}{2}$