

一、填充題：

1. 4

2. $\frac{7}{6}$

3. $\frac{37}{12}$

4. ± 2

5. (3, 5, 6)

6. $\frac{206\pi}{15}$

7. $\frac{2\pi}{15}$

8. $f(x) = -x^3 + x^2 + 5x - 4, f(2) = 2$

9. (100, 1)

10. (-3, -9)

11. 28, $f(x) = 10x^3 + 16x^2 + 2x$

12. $\sqrt{5}$

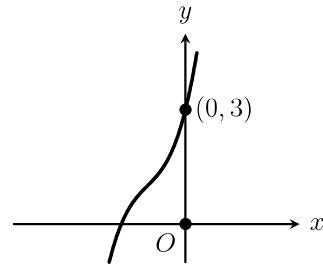
13. $\frac{9}{4}$

14. 1, 2, 3, 5

15. 1, 2, 3, 5

16. 1, 3, 5

17.



沒有極值，反曲點為 $(-1, 1)$ 。

18. $f(x) = 3x^4 - 6x^3$