

一、填充題：每題 4 分，共 76 分      二、計算證明題：共 24 分

1.  $-\frac{15}{4}$

2. 11088

3.  $\frac{9}{10}$

4.  $b > a > c$

5. 5

6.  $\frac{13}{2} < a \leq 7$

7. 4

8. 4

9.  $\frac{3}{16}$

10. 49

11. 16

12. (9, 7)

13. B

14.  $\frac{\sqrt{3}}{4} - \frac{\pi}{24}$

15. 152

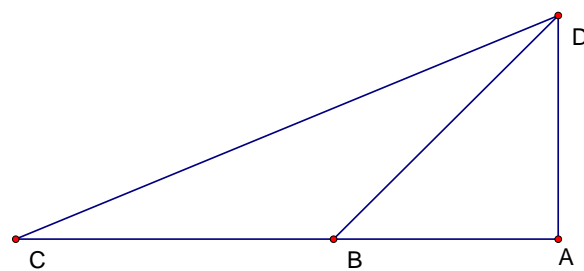
16.  $\frac{1}{5}$

17. 144

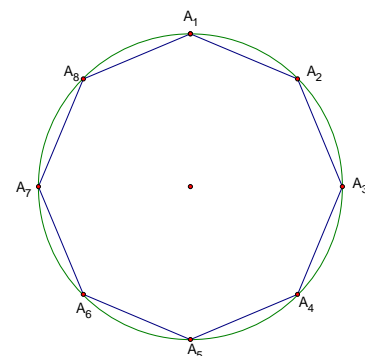
18.  $6\sqrt{3} + \pi$

19.  $120\sqrt{5}$

1.(1)(4%)  $4 + 2\sqrt{2}$



1.(2)(a)(4%) 8



1.(2)(b)(6%)  $\frac{\sqrt{2}+1}{2}$

2.(10%) 略

