

11/8 (11) HW

一. 選擇

1.~5. CADBA 6.~10. CDBAC 11.~13. DDD

二. 填充

1. 13 or  $\sqrt{119}$  2. -2 3.  $4+2\sqrt{6}$  4.  $\frac{2}{15}$  5.  $\frac{\sqrt{105}}{5}$  6. (-2, 6)

7. 1.183 8.  $\frac{36}{5}$  9.  $6+2\sqrt{5}$  10. 12300 11.  $\sqrt{202}$  12. 18

13.  $2x+5$  14.  $(2x+1)(y-8)$  15.  $(a-b)(x-y)(c-3)$  16.  $\frac{7}{2}$

17.  $(x+3)(3x-2)(2x+1)$  18. (1)  $(a+c)(b^2-ac)$

(2)  $(x^4+25)(x^2+5)(x^2-5)$  (3)  $(2x-5)(x+2)(x-2)$

19. (1)  $6\sqrt{3}$  (2)  $7\sqrt{3}-\sqrt{2}$  (3)  $2\sqrt{6}-4$  (4) 2 (5) 81 (6)  $5\sqrt{2}$

20. 261 21. (1) 34.6 (2) 0.1

三. 綜合

1. 2 2. (1)  $10+5\sqrt{2}$  (2)  $12\frac{1}{2}$  3. (1) -1 (2)  $(x-1)(2x^2+2x+1)$

4. (1) 2 (2)  $\frac{1}{4}$  5.  $\sqrt{61}$  6.  $2\sqrt{503}-\sqrt{2011}$  7. 14.8 8. 48 9.  $\pm\sqrt{7}$

10.  $1.4+\sqrt{13}$

一. 單選

1.~5. DACBC 6.~10. BCADD 11.~15. BBDCB 16.~20. BCADA

二. 計算 19.  $\frac{\sqrt{5}-\sqrt{2}}{3}$  20. 16 or 40

1. 309 2.  $\frac{60}{13}$  3.  $\frac{25}{2}\pi$  4. (1)  $4\sqrt{10}$  (2) 13 5. 336

6. (1)  $(a-b+c)(a-b-c)$  (2) 38000 7. (1)  $(x+1)^3(y-2)^2(x+y-2)$

(2)  $(1-2x)(1+2x)(1-3y)(1+3y)$  8. 45 9. 45 10. 98 11.  $c>b>a$

12.  $(3x+2y+6)(3x+2y-6)$  13.  $2\sqrt{6}$  14. 4 15. 160 16. 45 17. 6 18.  $1-\sqrt{3}$