

數學科答案

Part I :

1. $2\sqrt{6}$ 2. 0 或 $\frac{5-\sqrt{13}}{2}$ 3. $4950(x-1)^2 + 100(x-1) + 1$
4. $(3, 2, 1)$ 5. $2\sqrt{5}$ 6. $x = \frac{13}{14}, y = \frac{1}{2}, z = \frac{2}{7}$
7. 211 8. $(2, \frac{\pi}{2})$

Part II :

9. $\frac{4}{5}x + \frac{12}{5}$ 10. π 11. $x^2 - \frac{x^4}{2} + \frac{x^6}{3} - \frac{x^8}{4} + \dots$
12. $\frac{3\pi}{2}$ 13. 10