

臺北縣立高中職 97 學年度教師聯合甄選初試(筆試)答案卷

甄試類科：數學科

1. $-1, -1 \pm \sqrt{5}$ (15%)

2. 52 (15%)

3. (1) (1,0,0),(0,0,1), (0,1,0),(1,1,1) (8%)

(2) $(x - \frac{1}{2})^2 + (y - \frac{1}{2})^2 + (z - \frac{1}{2})^2 = \frac{1}{12}$ (7%)

4. 略 (10%)

5. $2, 2\sqrt{3}, 4$ (10%)

6. $-2 < x < 1$ 或 $2 < x < 5$ (10%)

7. (1) $x = 4, y = 10$ (5%)

(2) 長=32

寬=33 (5%)

8. (1) $\frac{1}{n}$ (5%)

(2) 略 (5%)

(3) 1 (5%)