臺北市立瑠公國民中學107學年度第一學期第一次段考八年級數學科解答

 **八年\_\_\_\_班\_\_\_\_號 姓名：\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. 選擇題：（每題3分，共36分）

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| D | C | A | B | C | B | C | C | B | D | A | D |

1. 填充題：（每題3分，共48分）

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1(1) | 1(2) | 1(3) | 1(4) | 1(5) | 2(1) |
| 18 | 25 | $$624\frac{8}{9}$$ | 1234.25 | $$-\frac{24}{47}$$ | $$16x^{2}+40x+25$$ |
| 2(2) | 3 | 4 | 5 | 6 |
| $$4x^{2}-25$$ | $$\frac{25}{4}x^{3}$$ | $$29-2x-3x^{2}-5x^{3}$$ | 4.36 | 42.42 |
| 7 | 8 | 9 | 10 | 11 |
| $$-17x^{2}+14x-5$$ | 5 | 0.87($\frac{87}{100}$) | $$2x+8$$ | 36 |

三、計算題：（每題4分，共16分）※請寫出計算過程否則不予計分※

|  |  |
| --- | --- |
| 1.$$a=\frac{3}{2}$$b=7c=2a+b+c=$10\frac{1}{2}$ | 2$$a=-10$$b=5c=2d=6$$e=f=-4$$$$a+b+c+e=-7$$ |
| 3,$$a^{2}=16$$$$b^{2}=23$$$$c^{2}=\frac{46}{3}$$$$b^{2}>a^{2}>c^{2}$$$$b>a>c$$ | 4.$$x^{2}+7+4x-2+3x^{2}-2x^{2}-x+9$$$$=3x^{3}-x^{2}+3x+14$$ |