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| 题目1 ID4235 | 关于函数y=|x|(x＜0)的图像，下列说法正确的是（ ） | | | | | |
| A | 在第一象限 | | | | | |
| B | 在第一、三象限 | | | | | |
| C | 在第二象限 | | | | | |
| D | 在第二、四象限 | | | | | |
| 答案 | c |  |  |  |  |  |

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| 题目2 ID4178 | 关于函数y=x2的图像，下列说法正确的是（     ） | | | | | |
| A | 在第一、三象限 | | | | | |
| B | 在第一、二象限 | | | | | |
| C | 在第二、三象限 | | | | | |
| D | 在第二、四象限 | | | | | |
| 答案 | b |  |  |  |  |  |

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| 题目3 ID4218 | cosπ=（ ） | | | | | |
| A | 0 | | | | | |
| B | -1 | | | | | |
| C | 1 | | | | | |
| D | 不存在 | | | | | |
| 答案 | b |  |  |  |  |  |

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| 题目4 ID4194 | 设集合M={x|-4＜x＜3}，N={x|x≤2}，则M∪N=（ ） | | | | | |
| A | (-4，3) | | | | | |
| B | （-4，2] | | | | | |
| C | (-∞，3) | | | | | |
| D | （-∞，2] | | | | | |
| 答案 | c |  |  |  |  |  |

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| 题目5 ID4273 | -2，x，10成等差数列，则x为（ ） | | | | | |
| A | 6 | | | | | |
| B | 5 | | | | | |
| C | 4 | | | | | |
| D | 3 | | | | | |
| 答案 | c |  |  |  |  |  |

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| 题目6 ID4264 | 若a＜b＜0，则下列不等关系中，一定成立的是（ ） | | | | | |
| A | (1/a)>(1/b) | | | | | |
| B | [1/(a-b)]>1/a | | | | | |
| C | a-b>0 | | | | | |
| D | a•a＜b•b | | | | | |
| 答案 | a |  |  |  |  |  |

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| 题目7 ID4299 | tan(2π-π/4)=( ) | | | | | |
| A | -0.5 | | | | | |
| B | 1 | | | | | |
| C | 0.5 | | | | | |
| D | -1 | | | | | |
| 答案 | d |  |  |  |  |  |

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| 题目8 ID4207 | 若函数f(x)=x2-4x+5，则此函数的值域为（     ） | | | | | |
| A | (1, + ∞） | | | | | |
| B | [0,+ ∞） | | | | | |
| C | [1, + ∞） | | | | | |
| D | (-∞, +∞) | | | | | |
| 答案 | c |  |  |  |  |  |

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| 题目9 ID4191 | 集合{a，b，c}的非空真子集有（    ） | | | | | |
| A | 5个 | | | | | |
| B | 6个 | | | | | |
| C | 7个 | | | | | |
| D | 8个 | | | | | |
| 答案 | b |  |  |  |  |  |

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| 题目10 ID4226 | y=tanx的周期为（  ） | | | | | |
| A | 2π | | | | | |
| B | π | | | | | |
| C | π/2 | | | | | |
| D | π/4 | | | | | |
| 答案 | b |  |  |  |  |  |

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| 题目11 ID4253 | y=sin(4x+π/3)的周期为（ ） | | | | | |
| A | π | | | | | |
| B | 2π | | | | | |
| C | π/2 | | | | | |
| D | π/4 | | | | | |
| 答案 | c |  |  |  |  |  |

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| 题目12 ID4269 | 设函数f(x)＝2x-5，f(x+1)=(    ) | | | | | |
| A | 4x－5 | | | | | |
| B | 2x－8 | | | | | |
| C | 2x-3 | | | | | |
| D | 2x-4 | | | | | |
| 答案 | c |  |  |  |  |  |

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| 题目13 ID4274 | tan1800=(  ) | | | | | |
| A | -1 | | | | | |
| B | 0 | | | | | |
| C | 1 | | | | | |
| D | 不存在 | | | | | |
| 答案 | b |  |  |  |  |  |

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| 题目14 ID4233 | (-3)2+(-2)0=(  ) |
| A | -8 |
| B | -9 |
| C | 8 |
| D | 10 |

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| 答案 | d |  |  |  |  |  |

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| 题目15 ID4189 | 点(2,－3)关于原点对称的坐标为（ ） | | | | | |
| A | （2 ，-3） | | | | | |
| B | （2 ，3） | | | | | |
| C | （-2 ，3） | | | | | |
| D | （-2 ，-3） | | | | | |
| 答案 | c |  |  |  |  |  |

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| 题目16 ID4230 | 下列函数中，既是奇函数又是增函数的为（ ） | | | | | |
| A | y=sinx | | | | | |
| B | y=-x | | | | | |
| C | y=|x| | | | | | |
| D | y=x | | | | | |
| 答案 | d |  |  |  |  |  |

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| 题目17 ID4286 | 已知等差数列 {an} 中， a2=3，a3=5，则此数列的前3项和为（  ） | | | | | |
| A | 7 | | | | | |
| B | 8 | | | | | |
| C | 9 | | | | | |
| D | 10 | | | | | |
| 答案 | c |  |  |  |  |  |

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| 题目18 ID4300 | 在等比数列{an}中，公比q＝2，数列的前3项和为14，则a2=（  ） | | | | | |
| A | 1 | | | | | |
| B | 2 | | | | | |
| C | 3 | | | | | |
| D | 4 | | | | | |
| 答案 | d |  |  |  |  |  |

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| 题目19 ID4239 | 集合{a，b，c}的子集有（ ） | | | | | |
| A | 5个 | | | | | |
| B | 6个 | | | | | |
| C | 7个 | | | | | |
| D | 8个 | | | | | |
| 答案 | d |  |  |  |  |  |

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| 题目20 ID4245 | 已知等差数列 {an} 中， a1=3，a4=9，则a2=（  ） | | | | | |
| A | 4 | | | | | |
| B | 5 | | | | | |
| C | 6 | | | | | |
| D | 7 | | | | | |
| 答案 | b |  |  |  |  |  |

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| 题目21 ID4237 | cos900=(  ) |
| A | -1 |
| B | 0 |

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| C | 1 | | | | | |
| D | 0.5 | | | | | |
| 答案 | b |  |  |  |  |  |

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| 题目22 ID4204 | 已知等差数列 {an} 中， a2=5，d=3，则此数列的前5项和为（  ） | | | | | |
| A | 20 | | | | | |
| B | 25 | | | | | |
| C | 30 | | | | | |
| D | 40 | | | | | |
| 答案 | d |  |  |  |  |  |

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| 题目23 ID4271 | 设集合A＝{x|2≤x＜4}，B＝{x|3x－7≥8－2x}，则A∪B等于(　 　) | | | | | |
| A | {x|x≥3} | | | | | |
| B | {x|x≥2} | | | | | |
| C | {x|2≤x＜3} | | | | | |
| D | {x|x≥4} | | | | | |
| 答案 | b |  |  |  |  |  |

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| 题目24 ID4246 | 已知等差数列 {an} 中， a2=5，d=3，则此数列的前5项和为（  ） | | | | | |
| A | 20 | | | | | |
| B | 25 | | | | | |
| C | 30 | | | | | |
| D | 40 | | | | | |
| 答案 | d |  |  |  |  |  |

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| 题目25 ID4231 | 关于函数y=|-x|的图像，下列说法正确的是（ ） | | | | | |
| A | 在第一、三象限 | | | | | |
| B | 在第一、二象限 | | | | | |
| C | 在第二、三象限 | | | | | |
| D | 在第二、四象限 | | | | | |
| 答案 | b |  |  |  |  |  |

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| 题目26 ID4243 | y=sin2x的周期为（   ） | | | | | |
| A | π/4 | | | | | |
| B | π/2 | | | | | |
| C | π | | | | | |
| D | 2π | | | | | |
| 答案 | c |  |  |  |  |  |

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| 题目27 ID4288 | (-4)0=(  ) | | | | | |
| A | -1 | | | | | |
| B | 1 | | | | | |
| C | 4 | | | | | |
| D | -4 | | | | | |
| 答案 | b |  |  |  |  |  |

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| 题目28 ID4258 | 等差数列{an}的前3项和为15，若a3=8，则a1=（   ） |

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| --- | --- | --- | --- | --- | --- | --- |
| A | 2 | | | | | |
| B | 3 | | | | | |
| C | 4 | | | | | |
| D | 5 | | | | | |
| 答案 | a |  |  |  |  |  |

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| 题目29 ID4268 | 下列函数中，是偶函数的为（ ） | | | | | |
| A | y=sinx | | | | | |
| B | y=cosx | | | | | |
| C | y=x | | | | | |
| D | y=tanx | | | | | |
| 答案 | b |  |  |  |  |  |

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| 题目30 ID4293 | 2，x，8，16，y成等比数列，则y-x＝（ ） | | | | | |
| A | 24 | | | | | |
| B | 26 | | | | | |
| C | 28 | | | | | |
| D | 30 | | | | | |
| 答案 | c |  |  |  |  |  |

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| 题目31 ID4257 | y=sin8x的周期为（ ） | | | | | |
| A | 4π | | | | | |
| B | 2π | | | | | |
| C | π/2 | | | | | |
| D | π/4 | | | | | |
| 答案 | d |  |  |  |  |  |

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| 题目32 ID4188 | 等差数列{an}中，a1+a2+a3+a4+a5=20，则a3=（  ） | | | | | |
| A | 1 | | | | | |
| B | 2 | | | | | |
| C | 3 | | | | | |
| D | 4 | | | | | |
| 答案 | d |  |  |  |  |  |

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| 题目33 ID4265 | 不等式1-x2>0的解集是（    ） | | | | | |
| A | {x|-1＜x＜1} | | | | | |
| B | {x|x＞1或x＜-1} | | | | | |
| C | {x|-1≤x＜1} | | | | | |
| D | {x|x≥1或x＜-1} | | | | | |
| 答案 | a |  |  |  |  |  |

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| 题目34 ID4303 | y=sin(2x+π/6)的周期为（   ） | | | | | |
| A | π/6 | | | | | |
| B | π/3 | | | | | |
| C | 2π | | | | | |
| D | π | | | | | |
| 答案 | d |  |  |  |  |  |

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| 题目35 | 在等比数列{a |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ID4254 | n}中，已知a3·a5=5，则a1·a2·a6·a7=（  ） | | | | | |
| A | 20 | | | | | |
| B | 25 | | | | | |
| C | 30 | | | | | |
| D | 36 | | | | | |
| 答案 | b |  |  |  |  |  |

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| 题目36 ID4285 | 若等差数列{an}的前3项和为12，且a1=1，则a2=（  ） | | | | | |
| A | 2 | | | | | |
| B | 3 | | | | | |
| C | 4 | | | | | |
| D | 5 | | | | | |
| 答案 | c |  |  |  |  |  |

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| 题目37 ID4213 | 若a＜b＜0，c>0,则下列不等式成立的是( ) | | | | | |
| A | a+c>b+c | | | | | |
| B | ac>bc | | | | | |
| C | ac＜bc | | | | | |
| D | a-c>b-c | | | | | |
| 答案 | c |  |  |  |  |  |

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| 题目38 ID4187 | 在等比数列{an}中，a1=2，公比q＝2，此数列前4项和为（  ） | | | | | |
| A | 20 | | | | | |
| B | 30 | | | | | |
| C | 40 | | | | | |
| D | 50 | | | | | |
| 答案 | b |  |  |  |  |  |

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| 题目39 ID4267 | 下列函数中，在区间（-5,5）上递增的是（ ） | | | | | |
| A | y=1/x | | | | | |
| B | y=-x | | | | | |
| C | y=x | | | | | |
| D | y=-x+1 | | | | | |
| 答案 | c |  |  |  |  |  |

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| 题目40 ID4222 | 已知等差数列 {an} 中， a1=2，d=2，则此数列前4项和为（  ） | | | | | |
| A | 10 | | | | | |
| B | 15 | | | | | |
| C | 20 | | | | | |
| D | 25 | | | | | |
| 答案 | c |  |  |  |  |  |

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| 题目41 ID4270 | 关于函数y=-x2的图像，下列说法正确的是（     ） |
| A | 在第一、三象限 |
| B | 在第一、二象限 |
| C | 在第二、三象限 |

|  |  |  |  |  |  |  |
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| D | 在第三、四象限 | | | | | |
| 答案 | d |  |  |  |  |  |

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| 题目42 ID4234 | cosα>0，tanα>0，则α是第（ ）象限角 | | | | | |
| A | 1 | | | | | |
| B | 2 | | | | | |
| C | 3 | | | | | |
| D | 4 | | | | | |
| 答案 | a |  |  |  |  |  |

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| 题目43 ID4250 | 16，8，x，y成等比数列，则x-y=( ) | | | | | |
| A | 1 | | | | | |
| B | 2 | | | | | |
| C | 3 | | | | | |
| D | 4 | | | | | |
| 答案 | b |  |  |  |  |  |

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| 题目44 ID4289 | sinα<0，tanα<0，则α是第（ ）象限角 | | | | | |
| A | 1 | | | | | |
| B | 2 | | | | | |
| C | 3 | | | | | |
| D | 4 | | | | | |
| 答案 | d |  |  |  |  |  |

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| 题目45 ID4262 | 下列各组集合M与N中，表示相等的集合是（ ） | | | | | |
| A | M＝{（0,1）}，N＝{0,1} | | | | | |
| B | M＝{（0,1）}，N＝{（1,0）} | | | | | |
| C | M＝{（0,1）}，N＝{（x,y）|x=0且y=1} | | | | | |
| D | M＝{π}，N＝{3.14} | | | | | |
| 答案 | c |  |  |  |  |  |

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| 题目46 ID4249 | sin1800=(  ) | | | | | |
| A | -1 | | | | | |
| B | 0 | | | | | |
| C | 1 | | | | | |
| D | 0.5 | | | | | |
| 答案 | b |  |  |  |  |  |

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| 题目47 ID4198 | 下列各项中，不可以组成集合的是（    ） | | | | | |
| A | 接近于-1的数 | | | | | |
| B | 所有大于-1的整数 | | | | | |
| C | 等于-1的数 | | | | | |
| D | 不等于1的奇数 | | | | | |
| 答案 | a |  |  |  |  |  |

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| 题目48 ID4209 | 不等式6x-5-x2≥0的解集是（    ） |
| A | {x|x＞5或x＜1} |
| B | {x|1≤x≤5} |
| C | {x|1≤x＜5} |
| D | {x|x≥5或x＜1} |

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| 答案 | b |  |  |  |  |  |

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| 题目49 ID4177 | 若函数f(x)=x2+4x+4，则此函数的值域为：（    ） | | | | | |
| A | [-4, + ∞） | | | | | |
| B | [0,+ ∞） | | | | | |
| C | [4, + ∞） | | | | | |
| D | [-4,4] | | | | | |
| 答案 | b |  |  |  |  |  |

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| 题目50 ID4206 | 关于函数y=x2+2x+1的图像，下列说法正确的是：（    ） | | | | | |
| A | 关于原点对称 | | | | | |
| B | 关于x=1对称 | | | | | |
| C | 关于y轴对称 | | | | | |
| D | 关于x=-1对称 | | | | | |
| 答案 | d |  |  |  |  |  |

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| 题目51 ID4200 | sinπ=( ) | | | | | |
| A | -1 | | | | | |
| B | 0 | | | | | |
| C | 1 | | | | | |
| D | 0.5 | | | | | |
| 答案 | b |  |  |  |  |  |

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| 题目52 ID4240 | 已知点A(-3,7)，则点A关于x=-1的对称点的坐标为（ ） | | | | | |
| A | （1，7） | | | | | |
| B | （－1，－7） | | | | | |
| C | （7，－1） | | | | | |
| D | （1，－7） | | | | | |
| 答案 | a |  |  |  |  |  |

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| 题目53 ID4292 | 在等比数列{an}中，a2=3，公比q＝3，则此数列的前3项和为（  ） | | | | | |
| A | 12 | | | | | |
| B | 13 | | | | | |
| C | 14 | | | | | |
| D | 15 | | | | | |
| 答案 | b |  |  |  |  |  |

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| 题目54 ID4220 | -2，x，6成等差数列，则x为（ ） | | | | | |
| A | 2 | | | | | |
| B | 3 | | | | | |
| C | 4 | | | | | |
| D | 5 | | | | | |
| 答案 | a |  |  |  |  |  |

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| 题目55 ID4301 | 已知等差数列 {an} 中， a3+a7=10，则a1+a2+a8+a9=（  ） |
| A | 18 |
| B | 20 |

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| C | 22 | | | | | |
| D | 24 | | | | | |
| 答案 | b |  |  |  |  |  |

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| 题目56 ID4302 | 下列函数中，在区间（-3,3）上递增的是（   ） | | | | | |
| A | y=1/x | | | | | |
| B | y=|x| | | | | | |
| C | y=x+3 | | | | | |
| D | y=-x+1 | | | | | |
| 答案 | c |  |  |  |  |  |

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| 题目57 ID4279 | 己知集合M= {x|x＜-1}，则下列选项正确的是（ ） | | | | | |
| A | 0∈M | | | | | |
| B | {0}∈M | | | | | |
| C | M= {0} | | | | | |
| D | -π∈M | | | | | |
| 答案 | d |  |  |  |  |  |

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| 题目58 ID4224 | 等比数列{an}中，a2=2，a3=16，则公比q为（  ） | | | | | |
| A | 8 | | | | | |
| B | 4 | | | | | |
| C | 2 | | | | | |
| D | 1 | | | | | |
| 答案 | a |  |  |  |  |  |

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| 题目59 ID4280 | 若集合A＝{a，b}，B是A的真子集，则集合B中元素的个数是( ) | | | | | |
| A | 0 | | | | | |
| B | 1 | | | | | |
| C | 0或1 | | | | | |
| D | 0或1或2 | | | | | |
| 答案 | c |  |  |  |  |  |

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| 题目60 ID4252 | 等差数列{an}中，a1=4，公差d=2，则此数列前4项和为（  ） | | | | | |
| A | 24 | | | | | |
| B | 26 | | | | | |
| C | 28 | | | | | |
| D | 30 | | | | | |
| 答案 | c |  |  |  |  |  |

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| 题目61 ID4248 | 已知等比数列{an}中，公比q=2，前3项和为14，则a5－a4=（  ） | | | | | |
| A | 8 | | | | | |
| B | 12 | | | | | |
| C | 14 | | | | | |
| D | 16 | | | | | |
| 答案 | d |  |  |  |  |  |

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| 题目62 ID4179 | 设集合A={x|-4＜x＜3}，B={x|x≤2}，则A∪B=（ ） |

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| A | (-4，3) | | | | | |
| B | (-4，2] | | | | | |
| C | (-∞，2] | | | | | |
| D | (-∞，3) | | | | | |
| 答案 | d |  |  |  |  |  |

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| 题目63 ID4259 | 函数f（x）=x(-1＜x≦1)的奇偶性是( ) | | | | | |
| A | 奇函数非偶函数 | | | | | |
| B | 偶函数非奇函数 | | | | | |
| C | 奇函数且偶函数 | | | | | |
| D | 非奇非偶函数 | | | | | |
| 答案 | d |  |  |  |  |  |

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| 题目64 ID4272 | 已知集合A＝{1,3,5,7,9}，B＝{x|(x-1)(x-3)=0}，则A∩B＝( 　) | | | | | |
| A | {1，5} | | | | | |
| B | {3，5} | | | | | |
| C | {3，9} | | | | | |
| D | {1，3} | | | | | |
| 答案 | d |  |  |  |  |  |

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| 题目65 ID4291 | 集合{a，b}的真子集有（ ） | | | | | |
| A | 2个 | | | | | |
| B | 3个 | | | | | |
| C | 4个 | | | | | |
| D | 5个 | | | | | |
| 答案 | b |  |  |  |  |  |

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| 题目66 ID4263 | 下列函数中，是偶函数的为（ ） | | | | | |
| A | y=x+1 | | | | | |
| B | y=-x | | | | | |
| C | y=x | | | | | |
| D | y=|x| | | | | | |
| 答案 | d |  |  |  |  |  |

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| 题目67 ID4275 | 已知等差数列 {an} 中， a3+a4+a5=12，那么a2+a3+a4+a5+a6=（ ） | | | | | |
| A | 14 | | | | | |
| B | 20 | | | | | |
| C | 28 | | | | | |
| D | 35 | | | | | |
| 答案 | b |  |  |  |  |  |

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| 题目68 ID4287 | 在等比数列 {an}中， a2=4，a3=8，则a5=（  ） | | | | | |
| A | 64 | | | | | |
| B | 32 | | | | | |
| C | 16 | | | | | |
| D | 128 | | | | | |
| 答案 | b |  |  |  |  |  |

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| 题目69 ID4242 | cosα>0，tanα<0，则α是第（ ）象限角 |

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| A | 1 | | | | | |
| B | 2 | | | | | |
| C | 3 | | | | | |
| D | 4 | | | | | |
| 答案 | d |  |  |  |  |  |

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| 题目70 ID4256 | tanα<0，cosα<0，则α是第（ ）象限角 | | | | | |
| A | 1 | | | | | |
| B | 2 | | | | | |
| C | 3 | | | | | |
| D | 4 | | | | | |
| 答案 | b |  |  |  |  |  |

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| 题目71 ID4197 | 下列函数在(-∞,0)上为减函数的是（ ） | | | | | |
| A | y=x | | | | | |
| B | y=|x| | | | | | |
| C | y=x+1 | | | | | |
| D | y=2x | | | | | |
| 答案 | b |  |  |  |  |  |

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| 题目72 ID4192 | 函数y＝x3的图像与直线y＝1的公共点数目是(     ) | | | | | |
| A | 0 | | | | | |
| B | 1 | | | | | |
| C | 2 | | | | | |
| D | 1或2 | | | | | |
| 答案 | b |  |  |  |  |  |

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| 题目73 ID4202 | y=cos4x的周期为（ ） | | | | | |
| A | π | | | | | |
| B | π/2 | | | | | |
| C | 2π | | | | | |
| D | π/4 | | | | | |
| 答案 | b |  |  |  |  |  |

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| 题目74 ID4284 | 二次不等式ax2+bx+c<0的解集是空集的条件是（   ） | | | | | |
| A | a>0且∆＜0 | | | | | |
| B | a>0且∆>0 | | | | | |
| C | a＜0且∆>0 | | | | | |
| D | a＜0且∆＜0 | | | | | |
| 答案 | a |  |  |  |  |  |

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| 题目75 ID4255 | 已知等比数列{an}中，公比q=2，前5项和为31，则a2=（  ） | | | | | |
| A | 1 | | | | | |
| B | 2 | | | | | |
| C | 3 | | | | | |
| D | 4 | | | | | |
| 答案 | b |  |  |  |  |  |

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| 题目76 | 不等式2x+3-x |

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| ID4238 | 2<0的解集是（     ） | | | | | |
| A | {x|-1＜x＜3} | | | | | |
| B | {x|x＞3或x＜-1} | | | | | |
| C | {x|-3＜x＜1} | | | | | |
| D | {x|x>1或x＜-3} | | | | | |
| 答案 | b |  |  |  |  |  |

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| 题目77 ID4203 | 已知等差数列 {an} 中， a1=3，a4=9，则a2=（  ） | | | | | |
| A | 4 | | | | | |
| B | 5 | | | | | |
| C | 6 | | | | | |
| D | 7 | | | | | |
| 答案 | b |  |  |  |  |  |

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| 题目78 ID4261 | 下列四组对象，能够组成集合的是（ ） | | | | | |
| A | 某班所有高个子的学生 | | | | | |
| B | 著名的艺术家 | | | | | |
| C | 所有很大的书 | | | | | |
| D | 倒数等于它自身的实数 | | | | | |
| 答案 | d |  |  |  |  |  |

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| 题目79 ID4227 | 在等比数列{an}中，已知a1·a6=21，则a2·a5=(  ) | | | | | |
| A | 19 | | | | | |
| B | 20 | | | | | |
| C | 21 | | | | | |
| D | 22 | | | | | |
| 答案 | c |  |  |  |  |  |

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| 题目80 ID4304 | 若函数f(x)=x2-4x+8，则此函数的值域为（    ） | | | | | |
| A | [4, + ∞） | | | | | |
| B | [3,+ ∞） | | | | | |
| C | [2, + ∞） | | | | | |
| D | R | | | | | |
| 答案 | a |  |  |  |  |  |