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y \\\\right) d x .$$$$\\\\left( C \\\\right) \\\\int \_ { 0 } ^ { 1 } d y \\\\int \_ { \\\\frac { \\\\pi } { 2 } } ^ { \\\\pi + w \\\\sin x } f \\\\left( x , y \\\\right) d x .$$ $$\\\\left( D \\\\right) \\\\int \_ { 0 } ^ { 1 } d y \\\\int \_ { \\\\frac { \\\\pi } { 2 } } ^ { \\\\pi - 2 c m \\\\sin \\\\gamma } f \\\\left( x , y \\\\right) d x .$$","figure\_list":[],"table\_list":[],"answer\_list":[[{"x":989,"y":212},{"x":1092,"y":212},{"x":1092,"y":247},{"x":989,"y":247}]],"pos\_list":[[{"x":79,"y":183},{"x":1270,"y":183},{"x":1270,"y":466},{"x":79,"y":466}]],"element\_list":[{"type":0,"text":"(8)设函数f(x,y)连续,则二次积分$$\\\\int \_ { \\\\frac { \\\\pi } { 2 } } ^ { \\\\pi } d x \\\\int \_ { \\\\sin x } ^ { 1 } f \\\\left( x , y \\\\right) d y$$等于( 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\\\\left( x , y \\\\right) d x .$$ $$\\\\left( B \\\\right) \\\\int \_ { 0 } ^ { 1 } d y \\\\int \_ { \\\\pi - x } \\\\sin \\\\left( x , y \\\\right) d x .$$$$\\\\left( C \\\\right) \\\\int \_ { 0 } ^ { 1 } d y \\\\int \_ { \\\\frac { \\\\pi } { 2 } } ^ { \\\\pi + w \\\\sin x } f \\\\left( x , y \\\\right) d x .$$ $$\\\\left( D \\\\right) \\\\int \_ { 0 } ^ { 1 } d y \\\\int \_ { \\\\frac { \\\\pi } { 2 } } ^ { \\\\pi - 2 c m \\\\sin \\\\gamma } f \\\\left( x , y \\\\right) d x .$$","pos\_list":[[{"x":152,"y":273},{"x":1254,"y":287},{"x":1252,"y":470},{"x":150,"y":457}]],"content\_list":[{"type":2,"prob":91,"string":"$$\\\\left( A \\\\right) \\\\int \_ { 0 } ^ { 1 } d y \\\\int \_ { \\\\pi + \\\\sin x } \\\\sin \\\\left( x , y \\\\right) d x .$$","option":"","pos":[{"x":152,"y":280},{"x":533,"y":284},{"x":532,"y":370},{"x":151,"y":365}]},{"type":2,"prob":91,"string":"$$\\\\left( B \\\\right) \\\\int \_ { 0 } ^ { 1 } d y \\\\int \_ { \\\\pi - x } \\\\sin \\\\left( x , y \\\\right) d x 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\\\\right) \\\\alpha \_ { 1 } + \\\\alpha \_ { 2 } , \\\\alpha \_ { 2 } + \\\\alpha \_ { 3 } , \\\\alpha \_ { 3 } + \\\\alpha \_ { 1 } .$$$$\\\\left( C \\\\right) \\\\alpha \_ { 1 } - 2 \\\\alpha \_ { 2 } , \\\\alpha \_ { 2 } - 2 \\\\alpha \_ { 3 } , \\\\alpha \_ { 3 } - 2 \\\\alpha \_ { 1 } .$$$$\\\\left( D \\\\right) \\\\alpha \_ { 1 } + 2 \\\\alpha \_ { 2 } , \\\\alpha \_ { 2 } + 2 \\\\alpha \_ { 3 } , \\\\alpha \_ { 3 } + 2 \\\\alpha \_ { 1 } .$$","figure\_list":[],"table\_list":[],"answer\_list":[[{"x":1039,"y":472},{"x":1143,"y":472},{"x":1143,"y":506},{"x":1039,"y":506}]],"pos\_list":[[{"x":79,"y":459},{"x":1368,"y":459},{"x":1368,"y":630},{"x":79,"y":630}]],"element\_list":[{"type":0,"text":"(9)设向量组$$\\\\alpha \_ { 1 } , \\\\alpha \_ { 2 } , \\\\alpha \_ { 3 }$$线性无关,则下列向量组线性相关的是( 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\_ { 3 } , \\\\alpha \_ { 3 } - 2 \\\\alpha \_ { 1 } .$$$$\\\\left( D \\\\right) \\\\alpha \_ { 1 } + 2 \\\\alpha \_ { 2 } , \\\\alpha \_ { 2 } + 2 \\\\alpha \_ { 3 } , \\\\alpha \_ { 3 } + 2 \\\\alpha \_ { 1 } .$$","pos\_list":[[{"x":149,"y":523},{"x":1368,"y":525},{"x":1368,"y":625},{"x":149,"y":623}]],"content\_list":[{"type":2,"prob":99,"string":"$$\\\\left( A \\\\right) \\\\alpha \_ { 1 } - \\\\alpha \_ { 2 } , \\\\alpha \_ { 2 } - \\\\alpha \_ { 3 } , \\\\alpha \_ { 3 } - \\\\alpha \_ { 1 } .$$","option":"","pos":[{"x":150,"y":525},{"x":601,"y":525},{"x":601,"y":568},{"x":150,"y":567}]},{"type":2,"prob":99,"string":"$$\\\\left( B \\\\right) \\\\alpha \_ { 1 } + \\\\alpha \_ { 2 } , \\\\alpha \_ { 2 } + \\\\alpha \_ { 3 } , \\\\alpha \_ { 3 } + \\\\alpha \_ { 1 } .$$","option":"","pos":[{"x":865,"y":525},{"x":1315,"y":526},{"x":1315,"y":569},{"x":865,"y":567}]},{"type":2,"prob":99,"string":"$$\\\\left( C \\\\right) \\\\alpha \_ { 1 } - 2 \\\\alpha \_ { 2 } , \\\\alpha \_ { 2 } - 2 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(B)合同,但不相似.(C)不合同,但相似. (D)既不合同,也不相似.","figure\_list":[],"table\_list":[],"answer\_list":[[{"x":1088,"y":683},{"x":1192,"y":683},{"x":1192,"y":720},{"x":1088,"y":720}]],"pos\_list":[[{"x":82,"y":617},{"x":1246,"y":617},{"x":1246,"y":899},{"x":82,"y":899}]],"element\_list":[{"type":0,"text":"(10)设矩阵A=,则A与B( )","pos\_list":[[{"x":87,"y":632},{"x":1192,"y":637},{"x":1192,"y":776},{"x":86,"y":772}]],"content\_list":[{"type":1,"prob":99,"string":"(10)设矩阵A=","option":"","pos":[{"x":87,"y":684},{"x":344,"y":685},{"x":344,"y":715},{"x":86,"y":714}]},{"type":1,"prob":100,"string":"","option":"","pos":[{"x":360,"y":636},{"x":641,"y":636},{"x":641,"y":773},{"x":360,"y":773}]},{"type":1,"prob":100,"string":"","option":"","pos":[{"x":703,"y":636},{"x":958,"y":636},{"x":958,"y":773},{"x":703,"y":773}]},{"type":1,"prob":99,"string":",则A与B()","option":"","pos":[{"x":919,"y":685},{"x":1192,"y":682},{"x":1192,"y":713},{"x":919,"y":716}]}]},{"type":0,"text":"(A)合同且相似. (B)合同,但不相似.(C)不合同,但相似. (D)既不合同,也不相似.","pos\_list":[[{"x":165,"y":796},{"x":1246,"y":792},{"x":1246,"y":880},{"x":165,"y":884}]],"content\_list":[{"type":1,"prob":98,"string":"(A)合同且相似.","option":"","pos":[{"x":165,"y":796},{"x":423,"y":796},{"x":423,"y":827},{"x":165,"y":827}]},{"type":1,"prob":99,"string":"(B)合同,但不相似.","option":"","pos":[{"x":862,"y":796},{"x":1172,"y":795},{"x":1172,"y":826},{"x":862,"y":827}]},{"type":1,"prob":99,"string":"(C)不合同,但相似.","option":"","pos":[{"x":165,"y":850},{"x":475,"y":849},{"x":476,"y":880},{"x":165,"y":881}]},{"type":1,"prob":99,"string":"(D)既不合同,也不相似.","option":"","pos":[{"x":863,"y":850},{"x":1246,"y":848},{"x":1246,"y":880},{"x":863,"y":882}]}]}]}]},{"part\_title":"二、填空题(本题共6小题,每小题4分,满分24分)","pos\_list":[[{"x":77,"y":954},{"x":1246,"y":955},{"x":1246,"y":1664},{"x":77,"y":1664}]],"subject\_list":[{"index":0,"type":1,"num\_choices":0,"prob":0,"text":"","figure\_list":[[{"x":171,"y":1019},{"x":631,"y":1019},{"x":631,"y":1091},{"x":171,"y":1091}]],"table\_list":[],"answer\_list":[[{"x":502,"y":1017},{"x":614,"y":1017},{"x":613,"y":1068},{"x":502,"y":1068}]],"pos\_list":[[{"x":78,"y":1009},{"x":631,"y":1009},{"x":631,"y":1091},{"x":78,"y":1091}]],"element\_list":[]},{"index":1,"type":1,"num\_choices":0,"prob":0,"text":"(12)曲线$$\\\\left\\\\{ \\\\begin{matrix} x = \\\\cos t + \\\\cos ^ { 2 } t , \\\\\\\\ y = 1 + t i t \\\\end{array} \\\\right.$$y=1 上对应于$$t = \\\\frac { \\\\pi } { 4 }$$的点处的法线斜率为.1+ sint\_\_\_\_","figure\_list":[],"table\_list":[],"answer\_list":[[{"x":1110,"y":1132},{"x":1217,"y":1132},{"x":1217,"y":1167},{"x":1110,"y":1167}]],"pos\_list":[[{"x":79,"y":1110},{"x":1226,"y":1110},{"x":1226,"y":1198},{"x":79,"y":1198}]],"element\_list":[{"type":0,"text":"(12)曲线$$\\\\left\\\\{ \\\\begin{matrix} x = \\\\cos t + \\\\cos ^ { 2 } t , \\\\\\\\ y = 1 + t i t \\\\end{array} \\\\right.$$y=1 上对应于$$t = \\\\frac { \\\\pi } { 4 }$$的点处的法线斜率为.1+ sint","pos\_list":[[{"x":79,"y":1110},{"x":1226,"y":1111},{"x":1226,"y":1199},{"x":78,"y":1198}]],"content\_list":[{"type":1,"prob":99,"string":"(12)曲线","option":"","pos":[{"x":79,"y":1129},{"x":251,"y":1129},{"x":251,"y":1174},{"x":79,"y":1174}]},{"type":2,"prob":87,"string":"$$\\\\left\\\\{ \\\\begin{matrix} x = \\\\cos t + \\\\cos ^ { 2 } t , \\\\\\\\ y = 1 + t i t \\\\end{array} \\\\right.$$","option":"","pos":[{"x":247,"y":1112},{"x":519,"y":1110},{"x":520,"y":1186},{"x":247,"y":1187}]},{"type":1,"prob":97,"string":"y=1","option":"","pos":[{"x":250,"y":1143},{"x":338,"y":1143},{"x":338,"y":1194},{"x":250,"y":1194}]},{"type":1,"prob":99,"string":"上对应于","option":"","pos":[{"x":530,"y":1126},{"x":685,"y":1126},{"x":685,"y":1183},{"x":530,"y":1183}]},{"type":2,"prob":99,"string":"$$t = \\\\frac { \\\\pi } { 4 }$$","option":"","pos":[{"x":685,"y":1119},{"x":777,"y":1119},{"x":777,"y":1191},{"x":685,"y":1191}]},{"type":1,"prob":98,"string":"的点处的法线斜率为.","option":"","pos":[{"x":797,"y":1134},{"x":1226,"y":1135},{"x":1226,"y":1168},{"x":797,"y":1168}]},{"type":1,"prob":95,"string":"1+ sint","option":"","pos":[{"x":306,"y":1168},{"x":457,"y":1168},{"x":457,"y":1198},{"x":306,"y":1198}]}]},{"type":0,"text":"\_\_\_\_","pos\_list":[[{"x":1113,"y":1158},{"x":1214,"y":1158},{"x":1214,"y":1170},{"x":1113,"y":1170}]],"content\_list":[{"type":1,"prob":100,"string":"\_\_\_\_","option":"","pos":[{"x":1113,"y":1158},{"x":1214,"y":1158},{"x":1214,"y":1170},{"x":1113,"y":1170}]}]}]},{"index":2,"type":1,"num\_choices":0,"prob":0,"text":"(13)设函数$$y = \\\\frac { 1 } { 2 x + 3 } ,$$则$$y ^ { \\\\left( n \\\\right) } \\\\left( 0 \\\\right) =$$\_\_\_\_","figure\_list":[],"table\_list":[],"answer\_list":[[{"x":676,"y":1227},{"x":782,"y":1227},{"x":782,"y":1277},{"x":676,"y":1277}]],"pos\_list":[[{"x":76,"y":1215},{"x":805,"y":1215},{"x":805,"y":1297},{"x":76,"y":1297}]],"element\_list":[{"type":0,"text":"(13)设函数$$y = \\\\frac { 1 } { 2 x + 3 } ,$$则$$y ^ { \\\\left( n \\\\right) } \\\\left( 0 \\\\right) =$$\_\_\_\_","pos\_list":[[{"x":86,"y":1216},{"x":784,"y":1214},{"x":785,"y":1295},{"x":87,"y":1297}]],"content\_list":[{"type":1,"prob":97,"string":"(13)设函数","option":"","pos":[{"x":86,"y":1234},{"x":283,"y":1233},{"x":283,"y":1281},{"x":87,"y":1282}]},{"type":2,"prob":99,"string":"$$y = \\\\frac { 1 } { 2 x + 3 } ,$$","option":"","pos":[{"x":283,"y":1216},{"x":463,"y":1215},{"x":463,"y":1295},{"x":283,"y":1296}]},{"type":1,"prob":99,"string":"则","option":"","pos":[{"x":463,"y":1230},{"x":506,"y":1230},{"x":506,"y":1283},{"x":463,"y":1283}]},{"type":2,"prob":99,"string":"$$y ^ { \\\\left( n \\\\right) } \\\\left( 0 \\\\right) =$$","option":"","pos":[{"x":506,"y":1233},{"x":661,"y":1232},{"x":661,"y":1280},{"x":506,"y":1281}]},{"type":1,"prob":100,"string":"\_\_\_\_","option":"","pos":[{"x":677,"y":1262},{"x":785,"y":1263},{"x":785,"y":1275},{"x":677,"y":1274}]}]}]},{"index":3,"type":1,"num\_choices":0,"prob":0,"text":"(14)二阶常系数非齐次线性微分方程$$y \' - 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