Matematika II

Zadaci za domaći rad

20.4.2017. godine

ISPITATI TOK I
NACRTATI GRAFIKE F-JA

I Koprivica Božidar

1. $y = \frac{x^2-1}{x^3}$

2. $y = \frac{1}{1+x^2}$

3. $y = \frac{x^3}{1+x^3}$

4. $y = \frac{e^{3-x}}{1-x}$

5. $y = \ln(x^2-5)$

II Samardžić Zoran

6. $y = \frac{2x^2-1}{x^4}$

7. $y = \frac{x}{1+x^2}$

8. $y = \frac{(x-1)^2}{x^2}$

9. $y = \frac{e^{-x}}{(x-1)^2}$

10. $y = \left(\frac{x}{2}\right)^2 \ln(x)$

III Tomović Stefan

11. $y = \frac{(x^2-1)^3}{x^5}$

12. $y = \frac{1}{1-x^2}$

13. $y = \frac{4x^3+1}{x}$

14. $y = \ln\left(\frac{x+3}{1-x}\right)$

15. $y = x^{\frac{2}{3}} e^{-x}$

IV Spremo Bojana

16. $y = \frac{x^3+1}{x^2}$

17. $y = \frac{x}{1-x^2}$

18. $y = \frac{x^2-2x+3}{x^2-2x+2}$

19. $y = e^{\frac{1}{x^2-3x-4}}$

20. $y = \ln(-x^2+x+2)$

V Mumalo Tamara

21. $y = \frac{3x^2-1}{(1+x^2)^3}$

22. $y = \frac{2x-1}{(x-1)^2}$

23. $y = \frac{x^3}{x^2+1}$

24. $y = xe^{-\frac{1}{2}x^2}$

25. $y = \frac{x}{1+\ln x}$

VI Vuković Radoslav

26. $y = \frac{x^2-1}{x^2+1}$

27. $y = \frac{1}{x^3+1}$

28. $y = \frac{x^2+5x-4}{x^2+5x+4}$

29. $y = \frac{e^{-x}}{1-x}$

30. $y = \ln(x^2-2x+2)$

VII Sudžum Risto

31. $y = \frac{(x^2-1)^2}{x^2}$

32. $y = \frac{x}{(x^2-1)^2}$

33. $y = \frac{(x^2-1)^2}{x^5}$

34. $y = e^{\frac{1}{1-x^2}}$

35. $y = \frac{\ln x}{\sqrt{x}}$

VIII Vukanović Dragana

36. $y = \frac{x^3-4x}{x^2+5}$

37. $y = \frac{2x-1}{x^2}$

38. $y = \frac{x^2}{(x^2+1)^2}$

39. $y = x\ln^2 x$

40. $y = e^{\frac{1}{(4-x^2)}}$

IX Ijačić Aleksandra

41. $y = \frac{x^2}{(x-1)^2}$

42. $y = \frac{1}{(x^2-1)^2}$

43. $y = \frac{x^3}{1-2x}$

44. $y = \frac{e^{5(x+2)}}{5(x+2)}$

45. $y = \frac{\ln x}{x-3}$

X Andrijašević Ana

46. $y = \frac{x^2}{x-1}$

47. $y = \frac{x^3}{x^2-1}$

48. $y = \frac{1}{4-x^2}$

49. $y = \frac{x^2}{2}e^x$

50. $y = \ln(4-x^2)$

XI Jegdić Sara

51. $y = \frac{x^3}{2(x+1)^2}$

52. $y = \frac{x^2+4x-4}{x-1}$

53. $y = \frac{x^2-5}{x^2+5}$

54. $y = \frac{\ln x}{x-3}$

55. $y = \frac{3x}{1+e^x}$

XII Orbović Nemanja

56. $y = \frac{2x^3}{(x-2)^2}$

57. $y = \frac{1-x^3}{x^2}$

58. $y = \frac{3x-x^2}{x-4}$

59. $y = \ln\left(\frac{x-3}{x-4}\right)$

60. $y = \frac{e^x}{x-5}$

XIII Delić Rosanda

61. $y = \frac{5-x}{9-x^2}$

62. $y = \frac{x^2-4}{(x-4)^2}$

63. $y = \frac{(x-2)^3}{3(x+2)^2}$

64. $y = \frac{x^3}{3}e^x$

65. $y = \ln(x^2-4)$

XIV Teletina Miljana

66. $y = \frac{x+3}{x^2+x+3}$

67. $y = \frac{x^2+3x}{x+4}$

68. $y = \frac{(x-2)^2}{(x+2)^3}$

69. $y = \frac{\ln x}{x-1}$

70. $y = \frac{x}{1+e^x}$

XV Vilić Anja

71. $y = \frac{x - x^2 - 2}{x - 2}$

72. $y = \frac{x^2}{(x-3)^2}$

73. $y = \frac{x^3}{x^2 - 3}$

74. $y = \frac{e^x}{x}$

75. $y = \ln\left(\frac{x-1}{x-2}\right)$

XVI Damjanović Nikola

76. $y = \frac{x^2 - x + 1}{x - 1}$

77. $y = \frac{3x^2 - 1}{x^3}$

78. $y = \frac{2x^2 - 1}{(x-1)^2}$

79. $y = x^3 \cdot e^{-x}$

80. $y = e^{\frac{1}{x}}$

XVII Jeremić Jovan

81. $y = \frac{-x^2 - x + 2}{x - 2}$

82. $y = \frac{x^2 - 4}{1 - x^2}$

83. $y = \frac{(1-x)^3}{2x^2}$

84. $y = x \cdot e^{-x}$

85. $y = x^2 \cdot e^{-x}$

XVIII Bjelogrlić Milan

86. $y = \frac{6x - x^2 - 9}{x - 2}$

87. $y = \frac{x^2 - 6x + 8}{x^2 - 2x + 1}$

88. $y = \frac{(x+1)^3}{(x-1)^2}$

89. $y = x \cdot e^{-x^2}$

90. $y = x^2 \cdot \ln x$

XIX Bošković Milica

91. $y = \frac{x^2 - 6}{x^2 + 6}$

92. $y = \frac{2x - x^2 + 3}{x + 2}$

93. $y = \frac{(x-1)^2}{(x+1)^3}$

94. $y = \frac{1}{1 + e^x}$

95. $y = \frac{\ln x}{x}$

XX Kovačević Boško

96. $y = \frac{x^2 - 2x - 3}{2x - x^2}$

97. $y = \frac{x - 2}{x^2 - 2x - 3}$

98. $y = \frac{2x^3}{x^2 - 4}$

99. $y = \sqrt{x} \ln x$

100. $y = \frac{e^{-x}}{x^2}$

XXI Končar Danka

101. $y = \frac{x^2 + 5x - 6}{x - 2}$

102. $y = \frac{x^2 + 3x}{(x+1)^2}$

103. $y = \frac{x^3}{x^2 - 9}$

104. $y = \frac{x}{\ln(-x)}$

105. $y = \frac{(1+x)^{1-2x}}{e}$

XXII Milović Nikola

106. $y = \frac{x^2 - 3x - 10}{x + 3}$

107. $y = \frac{x^2 - 2}{(x-2)^2}$

108. $y = \frac{x^3}{2(x+1)^2}$

109. $y = x \cdot \ln(x^4)$

110. $y = x^2 \cdot e^x$

XXIII Papić Branko

111. $y = \frac{5x - x^2 - 6}{x + 1}$

112. $y = \frac{x^2 + 3x}{(x+4)^2}$

113. $y = \frac{1}{4 - x^2}$

114. $y = \ln\left(x^2 - 4x + 4\right)$

115. $y = x \cdot e^x$

XXIV Pištalo Tamara

116. $y = \frac{x^2 + 4x - 5}{x - 3}$

117. $y = \frac{x^2}{x^2 - 3}$

118. $y = \frac{(x+1)^2}{(x-1)^3}$

119. $y = \ln(x^2 - 4x + 3)$

120. $y = \frac{e^{1-x}}{2 - x}$

XXV Ijačić Milica

121. $y = \frac{x^2 + 4x - 5}{x - 4}$

122. $y = \frac{x^2 - 1}{5x^2 + 3x}$

123. $y = \frac{(x-1)^2}{(x+1)^3}$

124. $y = x^2 \cdot e^{-x^2}$

125. $y = x \cdot \ln x$

XXVI Višnjevac Dragana

126. $y = \frac{x^2 - 8x + 16}{x - 5}$

127. $y = \frac{x^2 + 2x + 1}{x^2 + 1}$

128. $y = \frac{x^3}{3(x-2)^2}$

129. $y = \frac{1 - e^x}{1 + e^x}$

130. $y = \ln(x^2 + 1)$

XXVII Nedeljko Kurdulija

131. $y = \frac{x^2 + 4x - 4}{x - 3}$

132. $y = \frac{x}{4 + x^2}$

133. $y = \frac{(x-1)^3}{(x-2)^2}$

134. $y = x^3 \cdot e^{-x^2}$

135. $y = \ln(x^2 - 1)$

XXVIII Veselin Savović

136. $y = \frac{x^2 - 3x + 10}{x + 2}$

137. $y = \frac{x^2 - 16}{x^2 + 16}$

138. $y = \frac{4x^3}{x^2 - 16}$

139. $y = x^3 \cdot e^x$

140. $y = \ln(1 - x^2)$

Napomena: Rješenja zadataka detaljno ispisati i predati. Domaći rad predati najkasnije do prvog termina u junsko-julskom ispitnom roku. Studenti koji ne izmire svoje obaveze po pitanju domaćih zadataka neće moći polagati **završni ispit i kolokvijume** počevši od junsko-julskog isitnog roka.