TAREA DE INTEGRAL INDEFINIDA

1 $\int (x^3+3)x^2\,dx =$

2 $\int (4-x^2)^2x^2\,dx =$

3 $\int \frac{dy}{(2-y)^3} =$

4 $\int \frac{x\,dx}{(x^2+4)^3} =$

5 $\int (1-x^3)^2\,dx =$

6 $\int (1-x^3)^2x\,dx =$

7 $\int (1-x^3)^2x^2\,dx =$

8 $\int (x^2-x)^4(2x-1)\,dx =$

9 $\int \frac{3t\,dt}{\sqrt[3]{t^2+3}} =$

10 $\int \frac{(x+1)\,dx}{\sqrt{x^2+2x-4}} =$

11 $\int \frac{dx}{(a+bx)^{1/3}} =$

12 $\int (4x^3+3x^2+2x+5)\,dx =$

13 $\int (3-2x-x^4)\,dx =$

14 $\int (2-3x+x^3)\,dx =$

15 $\int (\sqrt{x}-\frac{1}{2}x+2/\sqrt{x})\,dx =$

16 $\int (a+x)^3\,dx =$

17 $\int (x-2)^{3/2}\,dx =$

18 $\int \frac{dx}{x^3} =$

19 $\int \frac{dx}{(x-1)^3} =$

20 $\int \frac{dx}{\sqrt{x+3}} =$

21 $\int \sqrt{3x-1}\,dx =$

22 $\int \sqrt{2-3x}\,dx =$

23 $\int (2x^2+3)^{1/3}x\,dx =$

24 $\int (x-1)^2x\,dx =$

25 $\int (x^2-1)x\,dx =$

26 $\int \sqrt{1+y^4}\,y^3\,dy =$

27 $\int \frac{(1+\sqrt{x})^2}{\sqrt{x}}\,dx =$

28 $\int \sqrt{x}\,(3-5x)\,dx =$

29 $\int \frac{(x+1)(x-2)}{\sqrt{x}}\,dx =$

30 $\int \frac{dx}{x-1} =$

31 $\int \frac{dx}{3x+1} =$

32 $\int \frac{3x\,dx}{x^2+2} =$

33 $\int \frac{x^2\,dx}{1-x^3} =$

34 $\int \frac{x-1}{x+1}dx =$

35 $\int \frac{x^2+2x+2}{x+2}\,dx =$

36 $\int \frac{x+1}{x^2+2x+2}\,dx =$

37 $\int \left(\frac{dx}{2x-1}-\frac{dx}{2x+1}\right) =$

38 $\int a^{4x}\,dx =$

39 $\int e^{4x}\,dx =$

40 $\int \frac{e^{1/x^2}}{x^3}\,dx =$

41 $\int e^{-x^2+2}x\,dx =$

42 $\int x^2e^{x^3}\,dx =$

43 $\int (e^x+1)^2\,dx =$

44 $\int (e^x-x^e)\,dx =$

45 $\int (e^x+1)^2e^x\,dx =$

46 $\int \frac{e^{2x}}{e^{2x}+3}\,dx =$

47 $\int \left(e^x+\frac{1}{e^x}\right)^2 dx =$

48 $\int \frac{e^x-1}{e^x+1}\,dx =$

49 $\int \frac{e^{2x}-1}{e^{2x}+3}\,dx =$

50 $\int \frac{dx}{\sqrt{x}(1-\sqrt{x})} =$

51 $\int \frac{dx}{x+x^{1/3}} =$

52 $\int \sin 2x\,dx =$

53 $\int \cos\frac{1}{2}x\,dx =$

54 $\int \sec 3x\tan 3x\,dx =$

55 $\int \csc^2 2x\,dx =$

56 $\int x\sec^2 x^2\,dx =$

57 $\int \tan^2 x\,dx =$

58 $\int \tan\frac{1}{2}x\,dx =$

59 $\int \csc 3x\,dx =$

60 $\int b\sec ax\tan ax\,dx =$

61 $\int (\cos x-\sin x)^2\,dx =$

62 $\int \sin ax\cos ax\,dx =$

63 $\int \sin^3 x\cos x\,dx =$

64 $\int \cos^4 x\sin x\,dx =$

65 $\int \tan^5 x\sec^2 x\,dx =$

66 $\int \cot^4 3x\csc^2 3x\,dx =$

67 $\int \frac{dx}{1-\sin\frac{1}{2}x} =$

68 $\int \frac{dx}{1+\cos 3x} =$

69 $\int \frac{dx}{1+\sec ax} =$

70 $\int \sec^2\frac{x}{a}\tan\frac{x}{a}\,dx =$

71 $\int \frac{\sec^2 3x}{\tan 3x}\,dx =$

72 $\int \frac{\sec^5 x}{\csc x}\,dx =$

73 $\int \frac{(2x-3)\,dx}{x^2+6x+13} =$

74 $\int \frac{(x-1)\,dx}{3x^2-4x+3} =$

75 $\int \frac{x\,dx}{\sqrt{27+6x-x^2}} =$

76 $\int \frac{(5-4x)\,dx}{\sqrt{12x-4x^2-8}} =$

77 $\int \frac{dx}{x^2-4} =$

78 $\int \frac{dx}{4x^2-9} =$

79 $\int \frac{dx}{9-x^2} =$

80 $\int \frac{dx}{\sqrt{4-9x^2}} =$

81 $\int \frac{dx}{9x^2+4} =$

82 $\int \frac{\sin 8x}{9+\sin^4 4x}\,dx =$

83 $\int \frac{\sec^2 x\,dx}{\sqrt{1-4\tan^2 x}} =$

84 $\int \frac{dx}{x\sqrt{4-9\ln^2 x}} =$

85 $\int \frac{2x^4-x^2}{2x^2+1}\,dx =$

86 $\int \frac{\cos 2x\,dx}{\sin^2 2x+8} =$

87 $\int e^{\tan 2x}\sec^2 2x\,dx =$

88 $\int e^{2\sin 3x}\cos 3x\,dx =$

89 $\int \frac{dx}{\sqrt{5-x^2}} =$

90 $\int \frac{dx}{5+x^2} =$

91 $\int \frac{dx}{x\sqrt{x^2-5}} =$

92 $\int \frac{e^x\,dx}{\sqrt{1-e^{2x}}} =$

93 $\int \frac{e^{2x}\,dx}{1+e^{4x}} =$

94 $\int \frac{dx}{25-9x^2} =$

95 $\int \frac{dx}{\sqrt{x^2+4}} =$

96 $\int \frac{dx}{\sqrt{4x^2-25}} =$

97 $\int \sqrt{16-9x^2}\,dx =$

98 $\int \sqrt{x^2-16}\,dx =$

99 $\int \sqrt{4x^2+9}\,dx =$

100 $\int \sqrt{x^2-2x-3}\,dx =$

101 $\int \sqrt{12+4x-x^2}\,dx =$

102 $\int \sqrt{x^2+4x}\,dx =$

103 $\int \sqrt{x^2-8x}\,dx =$

104 $\int \sqrt{6x-x^2}\,dx =$

105 $\int (x^2-1)^2\,dx =$