



Integralregning

Integration ved substitution



1 Bestem integralet

$$\int -2x (-x^2 + 3)^4 dx$$

$$F(x) = \frac{1}{5} \cdot (-x^2 + 3)^5 + C$$

2 Bestem integralet

$$\int 3x^2 (x^3 + 3)^6 dx$$

$$F(x) = \frac{1}{7} \cdot (x^3 + 3)^7 + C$$

3 Bestem integralet

$$\int -4x \cdot e^{-2x^2+4} dx$$

$$F(x) = e^{-2x^2+4} + C$$

4 Bestem integralet

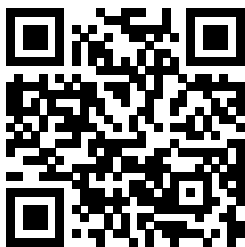
$$\int 9x^2 \cdot e^{3x^3+7} dx$$

$$F(x) = e^{3x^3+7} + C$$

5 Bestem integralet

$$\int 2x (x^2 + 3)^5 dx$$

$$F(x) = \frac{1}{6} \cdot (x^2 + 3)^6 + C$$



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6 Bestem integralet

$$\int -4x \cdot \sqrt{-2x^2 + 3} dx$$

$$F(x) = \frac{2}{3} \cdot (-2x^2 + 3)^{\frac{3}{2}} + C$$

7 Bestem integralet

$$\int 4x (2x^2 + 4)^6 dx$$

$$F(x) = \frac{1}{7} \cdot (2x^2 + 4)^7 + C$$

8 Bestem integralet

$$\int 2x \cdot \sqrt{x^2 + 1} dx$$

$$F(x) = \frac{2}{3} \cdot (x^2 + 1)^{\frac{3}{2}} + C$$

9 Bestem integralet

$$\int 6x \cdot e^{3x^2+6} dx$$

$$F(x) = e^{3x^2+6} + C$$

10 Bestem integralet

$$\int -3x^2 (-x^3 + 4)^4 dx$$

$$F(x) = \frac{1}{5} \cdot (-x^3 + 4)^5 + C$$



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11 Bestem integralet

$$\int \frac{-14x}{-7x^2 + 2} dx$$

$$F(x) = \ln(7x^2 - 2) + C$$

12 Bestem integralet

$$\int 6x \cdot e^{3x^2+4} dx$$

$$F(x) = e^{3x^2+4} + C$$

13 Bestem integralet

$$\int -8x^3 \cdot \sqrt{-2x^4 + 1} dx$$

$$F(x) = \frac{2}{3} \cdot (-2x^4 + 1)^{\frac{3}{2}} + C$$

14 Bestem integralet

$$\int \frac{12x^2}{2x^3 + 2} dx$$

$$F(x) = 2 \ln(x^3 + 1) + C$$

15 Bestem integralet

$$\int \frac{-21x^2}{-7x^3 + 2} dx$$

$$F(x) = \ln(7x^3 - 2) + C$$



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16 Bestem integralet

$$\int 4x^3 \cdot \sqrt{x^4 + 3} dx$$

$$F(x) = \frac{2}{3} \cdot (x^4 + 3)^{\frac{3}{2}} + C$$

17 Bestem integralet

$$\int \frac{6x^2}{2x^3 + 6} dx$$

$$F(x) = \ln(x^3 + 3) + C$$

18 Bestem integralet

$$\int -4x \cdot e^{-2x^2+5} dx$$

$$F(x) = e^{-2x^2+5} + C$$

19 Bestem integralet

$$\int 2x (x^2 + 5)^5 dx$$

$$F(x) = \frac{1}{6} \cdot (x^2 + 5)^6 + C$$

20 Bestem integralet

$$\int 9x^2 \cdot e^{3x^3+6} dx$$

$$F(x) = e^{3x^3+6} + C$$



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21 Bestem integralet

$$\int 2x \cdot e^{x^2+5} dx$$

$$F(x) = e^{x^2+5} + C$$

22 Bestem integralet

$$\int 12x^3 \cdot e^{3x^4+5} dx$$

$$F(x) = e^{3x^4+5} + C$$

23 Bestem integralet

$$\int 8x^3 \cdot \sqrt{2x^4 + 1} dx$$

$$F(x) = \frac{2}{3} \cdot (2x^4 + 1)^{\frac{3}{2}} + C$$

24 Bestem integralet

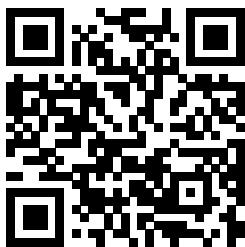
$$\int \frac{2x}{x^2 - 4} dx$$

$$F(x) = \ln(x^2 - 4) + C$$

25 Bestem integralet

$$\int \frac{-20x}{-5x^2 - 4} dx$$

$$F(x) = 2 \ln(5x^2 + 4) + C$$



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26 Bestem integralet

$$\int 3x^2 (x^3 + 5)^5 dx$$

$$F(x) = \frac{1}{6} \cdot (x^3 + 5)^6 + C$$

27 Bestem integralet

$$\int 8x^3 \cdot \sqrt{2x^4 + 2} dx$$

$$F(x) = \frac{2}{3} \cdot (2x^4 + 2)^{\frac{3}{2}} + C$$

28 Bestem integralet

$$\int \frac{-40x^3}{-5x^4 - 4} dx$$

$$F(x) = 2 \ln(5x^4 + 4) + C$$

29 Bestem integralet

$$\int -6x (-3x^2 + 3)^5 dx$$

$$F(x) = \frac{1}{6} \cdot (-3x^2 + 3)^6 + C$$

30 Bestem integralet

$$\int 6x^2 (2x^3 + 3)^5 dx$$

$$F(x) = \frac{1}{6} \cdot (2x^3 + 3)^6 + C$$



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31 Bestem integralet

$$\int -6x \cdot e^{-3x^2+7} dx$$

$$F(x) = e^{-3x^2+7} + C$$

32 Bestem integralet

$$\int -8x^3 \cdot \sqrt{-2x^4 + 2} dx$$

$$F(x) = \frac{2}{3} \cdot (-2x^4 + 2)^{\frac{3}{2}} + C$$

33 Bestem integralet

$$\int 6x^2 (2x^3 + 4)^4 dx$$

$$F(x) = \frac{1}{5} \cdot (2x^3 + 4)^5 + C$$

34 Bestem integralet

$$\int 9x^2 \cdot e^{3x^3+5} dx$$

$$F(x) = e^{3x^3+5} + C$$

35 Bestem integralet

$$\int \frac{-28x^3}{-7x^4 - 4} dx$$

$$F(x) = \ln(7x^4 + 4) + C$$



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36 Bestem integralet

$$\int -9x^2 (-3x^3 + 5)^5 dx$$

$$F(x) = \frac{1}{6} \cdot (-3x^3 + 5)^6 + C$$

37 Bestem integralet

$$\int 6x^2 \cdot \sqrt{2x^3 + 2} dx$$

$$F(x) = \frac{2}{3} \cdot (2x^3 + 2)^{\frac{3}{2}} + C$$

38 Bestem integralet

$$\int 3x^2 (x^3 + 3)^4 dx$$

$$F(x) = \frac{1}{5} \cdot (x^3 + 3)^5 + C$$

39 Bestem integralet

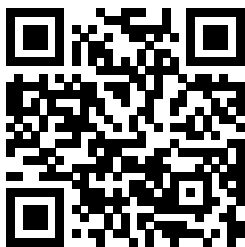
$$\int -12x^3 \cdot e^{-3x^4+5} dx$$

$$F(x) = e^{-3x^4+5} + C$$

40 Bestem integralet

$$\int -6x (-3x^2 + 3)^4 dx$$

$$F(x) = \frac{1}{5} \cdot (-3x^2 + 3)^5 + C$$



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41 Bestem integralet

$$\int -8x^3 \cdot e^{-2x^4+4} dx$$

$$F(x) = e^{-2x^4+4} + C$$

42 Bestem integralet

$$\int 4x (2x^2 + 4)^5 dx$$

$$F(x) = \frac{1}{6} \cdot (2x^2 + 4)^6 + C$$

43 Bestem integralet

$$\int 4x^3 \cdot e^{x^4+4} dx$$

$$F(x) = e^{x^4+4} + C$$

44 Bestem integralet

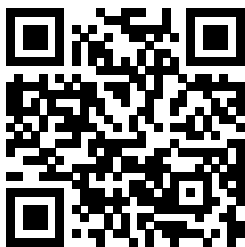
$$\int 3x^2 \cdot \sqrt{x^3 + 1} dx$$

$$F(x) = \frac{2}{3} \cdot (x^3 + 1)^{\frac{3}{2}} + C$$

45 Bestem integralet

$$\int -6x^2 \cdot e^{-2x^3+4} dx$$

$$F(x) = e^{-2x^3+4} + C$$



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46 Bestem integralet

$$\int -9x^2 (-3x^3 + 3)^5 dx$$

$$F(x) = \frac{1}{6} \cdot (-3x^3 + 3)^6 + C$$

47 Bestem integralet

$$\int \frac{-21x^2}{-7x^3 - 4} dx$$

$$F(x) = \ln(7x^3 + 4) + C$$

48 Bestem integralet

$$\int \frac{-28x}{-7x^2 - 4} dx$$

$$F(x) = 2 \ln(7x^2 + 4) + C$$

49 Bestem integralet

$$\int \frac{-56x^3}{-7x^4 + 2} dx$$

$$F(x) = 2 \ln(7x^4 - 2) + C$$

50 Bestem integralet

$$\int -4x \cdot e^{-2x^2+7} dx$$

$$F(x) = e^{-2x^2+7} + C$$



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51 Bestem integralet

$$\int -2x (-x^2 + 4)^5 dx$$

$$F(x) = \frac{1}{6} \cdot (-x^2 + 4)^6 + C$$

52 Bestem integralet

$$\int 4x^3 \cdot \sqrt{x^4 + 2} dx$$

$$F(x) = \frac{2}{3} \cdot (x^4 + 2)^{\frac{3}{2}} + C$$

53 Bestem integralet

$$\int \frac{4x}{2x^2 + 6} dx$$

$$F(x) = \ln(x^2 + 3) + C$$

54 Bestem integralet

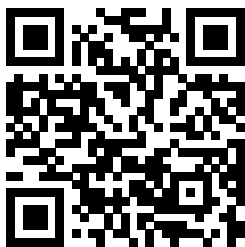
$$\int -2x (-x^2 + 5)^5 dx$$

$$F(x) = \frac{1}{6} \cdot (-x^2 + 5)^6 + C$$

55 Bestem integralet

$$\int \frac{-56x^3}{-7x^4 - 4} dx$$

$$F(x) = 2 \ln(7x^4 + 4) + C$$



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56 Bestem integralet

$$\int 3x^2 \cdot e^{x^3+7} dx$$

$$F(x) = e^{x^3+7} + C$$

57 Bestem integralet

$$\int -6x (-3x^2 + 5)^5 dx$$

$$F(x) = \frac{1}{6} \cdot (-3x^2 + 5)^6 + C$$

58 Bestem integralet

$$\int -\frac{15x^2}{-5x^3 + 2} dx$$

$$F(x) = \ln(5x^3 - 2) + C$$

59 Bestem integralet

$$\int 3x^2 \cdot e^{x^3+4} dx$$

$$F(x) = e^{x^3+4} + C$$

60 Bestem integralet

$$\int -6x (-3x^2 + 4)^4 dx$$

$$F(x) = \frac{1}{5} \cdot (-3x^2 + 4)^5 + C$$



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61 Bestem integralet

$$\int \frac{-10x}{-5x^2 + 6} dx$$

$$F(x) = \ln(5x^2 - 6) + C$$

62 Bestem integralet

$$\int \frac{-56x^3}{-7x^4 + 6} dx$$

$$F(x) = 2 \ln(7x^4 - 6) + C$$

63 Bestem integralet

$$\int \frac{2x}{x^2 + 6} dx$$

$$F(x) = \ln(x^2 + 6) + C$$

64 Bestem integralet

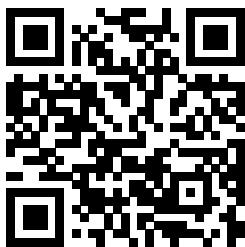
$$\int 6x^2 (2x^3 + 3)^4 dx$$

$$F(x) = \frac{1}{5} \cdot (2x^3 + 3)^5 + C$$

65 Bestem integralet

$$\int \frac{-30x^2}{-5x^3 + 2} dx$$

$$F(x) = 2 \ln(5x^3 - 2) + C$$



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66 Bestem integralet

$$\int 4x^3 \cdot \sqrt{x^4 + 1} dx$$

$$F(x) = \frac{2}{3} \cdot (x^4 + 1)^{\frac{3}{2}} + C$$

67 Bestem integralet

$$\int \frac{8x}{2x^2 - 4} dx$$

$$F(x) = 2 \ln(x^2 - 2) + C$$

68 Bestem integralet

$$\int \frac{8x^3}{2x^4 + 6} dx$$

$$F(x) = \ln(x^4 + 3) + C$$

69 Bestem integralet

$$\int -9x^2 (-3x^3 + 4)^4 dx$$

$$F(x) = \frac{1}{5} \cdot (-3x^3 + 4)^5 + C$$

70 Bestem integralet

$$\int 12x^3 \cdot e^{3x^4+7} dx$$

$$F(x) = e^{3x^4+7} + C$$



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71 Bestem integralet

$$\int 2x (x^2 + 4)^5 dx$$

$$F(x) = \frac{1}{6} \cdot (x^2 + 4)^6 + C$$

72 Bestem integralet

$$\int \frac{4x^3}{x^4 - 4} dx$$

$$F(x) = \ln(x^4 - 4) + C$$

73 Bestem integralet

$$\int 2x (x^2 + 5)^6 dx$$

$$F(x) = \frac{1}{7} \cdot (x^2 + 5)^7 + C$$

74 Bestem integralet

$$\int 6x^2 (2x^3 + 5)^5 dx$$

$$F(x) = \frac{1}{6} \cdot (2x^3 + 5)^6 + C$$

75 Bestem integralet

$$\int \frac{6x^2}{x^3 + 6} dx$$

$$F(x) = 2 \ln(x^3 + 6) + C$$



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76 Bestem integralet

$$\int 4x (2x^2 + 4)^4 dx$$

$$F(x) = \frac{1}{5} \cdot (2x^2 + 4)^5 + C$$

77 Bestem integralet

$$\int 4x (2x^2 + 5)^4 dx$$

$$F(x) = \frac{1}{5} \cdot (2x^2 + 5)^5 + C$$

78 Bestem integralet

$$\int 2x \cdot \sqrt{x^2 + 2} dx$$

$$F(x) = \frac{2}{3} \cdot (x^2 + 2)^{\frac{3}{2}} + C$$

79 Bestem integralet

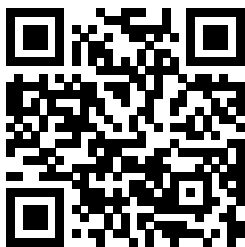
$$\int 6x \cdot \sqrt{3x^2 + 2} dx$$

$$F(x) = \frac{2}{3} \cdot (3x^2 + 2)^{\frac{3}{2}} + C$$

80 Bestem integralet

$$\int -2x (-x^2 + 5)^4 dx$$

$$F(x) = \frac{1}{5} \cdot (-x^2 + 5)^5 + C$$



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81 Bestem integralet

$$\int 6x^2 (2x^3 + 4)^5 dx$$

$$F(x) = \frac{1}{6} \cdot (2x^3 + 4)^6 + C$$

82 Bestem integralet

$$\int 3x^2 \cdot \sqrt{x^3 + 2} dx$$

$$F(x) = \frac{2}{3} \cdot (x^3 + 2)^{\frac{3}{2}} + C$$

83 Bestem integralet

$$\int \frac{-28x^3}{-7x^4 + 2} dx$$

$$F(x) = \ln(7x^4 - 2) + C$$

84 Bestem integralet

$$\int 12x^3 \cdot \sqrt{3x^4 + 1} dx$$

$$F(x) = \frac{2}{3} \cdot (3x^4 + 1)^{\frac{3}{2}} + C$$

85 Bestem integralet

$$\int \frac{8x^3}{x^4 - 4} dx$$

$$F(x) = 2 \ln(x^4 - 4) + C$$



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86 Bestem integralet

$$\int -3x^2 (-x^3 + 3)^4 dx$$

$$F(x) = \frac{1}{5} \cdot (-x^3 + 3)^5 + C$$

87 Bestem integralet

$$\int -6x^2 \cdot e^{-2x^3+6} dx$$

$$F(x) = e^{-2x^3+6} + C$$

88 Bestem integralet

$$\int 3x^2 (x^3 + 5)^6 dx$$

$$F(x) = \frac{1}{7} \cdot (x^3 + 5)^7 + C$$

89 Bestem integralet

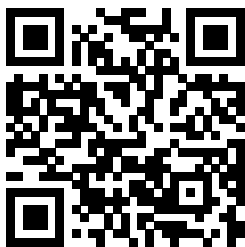
$$\int -6x^2 \cdot \sqrt{-2x^3 + 1} dx$$

$$F(x) = \frac{2}{3} \cdot (-2x^3 + 1)^{\frac{3}{2}} + C$$

90 Bestem integralet

$$\int \frac{-28x^3}{-7x^4 + 6} dx$$

$$F(x) = \ln(7x^4 - 6) + C$$



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91 Bestem integralet

$$\int \frac{-40x^3}{-5x^4 + 6} dx$$

$$F(x) = 2 \ln(5x^4 - 6) + C$$

92 Bestem integralet

$$\int \frac{-21x^2}{-7x^3 + 6} dx$$

$$F(x) = \ln(7x^3 - 6) + C$$

93 Bestem integralet

$$\int -9x^2 (-3x^3 + 4)^6 dx$$

$$F(x) = \frac{1}{7} \cdot (-3x^3 + 4)^7 + C$$

94 Bestem integralet

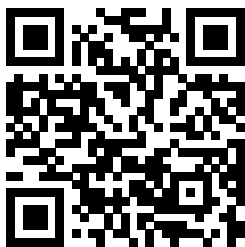
$$\int \frac{4x^3}{x^4 + 2} dx$$

$$F(x) = \ln(x^4 + 2) + C$$

95 Bestem integralet

$$\int -6x (-3x^2 + 5)^4 dx$$

$$F(x) = \frac{1}{5} \cdot (-3x^2 + 5)^5 + C$$



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96 Bestem integralet

$$\int \frac{-10x}{-5x^2 - 4} dx$$

$$F(x) = \ln(5x^2 + 4) + C$$

97 Bestem integralet

$$\int \frac{4x^3}{x^4 + 6} dx$$

$$F(x) = \ln(x^4 + 6) + C$$

98 Bestem integralet

$$\int -3x^2 (-x^3 + 5)^6 dx$$

$$F(x) = \frac{1}{7} \cdot (-x^3 + 5)^7 + C$$

99 Bestem integralet

$$\int 4x^3 \cdot e^{x^4+7} dx$$

$$F(x) = e^{x^4+7} + C$$

100 Bestem integralet

$$\int -8x^3 \cdot \sqrt{-2x^4 + 3} dx$$

$$F(x) = \frac{2}{3} \cdot (-2x^4 + 3)^{\frac{3}{2}} + C$$



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101 Bestem integralet

$$\int \frac{-10x}{-5x^2 + 2} dx$$

$$F(x) = \ln(5x^2 - 2) + C$$

102 Bestem integralet

$$\int 3x^2 \cdot e^{x^3+6} dx$$

$$F(x) = e^{x^3+6} + C$$

103 Bestem integralet

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

$$F(x) = \ln(x^2 - 2) + C$$

104 Bestem integralet

$$\int \frac{-30x^2}{-5x^3 - 4} dx$$

$$F(x) = 2 \ln(5x^3 + 4) + C$$

105 Bestem integralet

$$\int \frac{16x^3}{2x^4 - 4} dx$$

$$F(x) = 2 \ln(x^4 - 2) + C$$



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106 Bestem integralet

$$\int 2x (x^2 + 3)^6 dx$$

$$F(x) = \frac{1}{7} \cdot (x^2 + 3)^7 + C$$

107 Bestem integralet

$$\int 2x \cdot e^{x^2+4} dx$$

$$F(x) = e^{x^2+4} + C$$

108 Bestem integralet

$$\int 6x \cdot e^{3x^2+5} dx$$

$$F(x) = e^{3x^2+5} + C$$

109 Bestem integralet

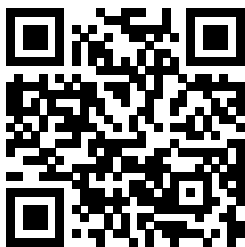
$$\int -9x^2 (-3x^3 + 3)^4 dx$$

$$F(x) = \frac{1}{5} \cdot (-3x^3 + 3)^5 + C$$

110 Bestem integralet

$$\int 3x^2 (x^3 + 4)^4 dx$$

$$F(x) = \frac{1}{5} \cdot (x^3 + 4)^5 + C$$



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111 Bestem integralet

$$\int \frac{-15x^2}{-5x^3 - 4} dx$$

$$F(x) = \ln(5x^3 + 4) + C$$

112 Bestem integralet

$$\int 6x^2 (2x^3 + 3)^6 dx$$

$$F(x) = \frac{1}{7} \cdot (2x^3 + 3)^7 + C$$

113 Bestem integralet

$$\int \frac{8x}{2x^2 + 6} dx$$

$$F(x) = 2 \ln(x^2 + 3) + C$$

114 Bestem integralet

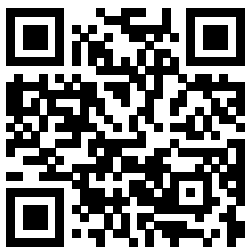
$$\int 4x^3 \cdot e^{x^4+5} dx$$

$$F(x) = e^{x^4+5} + C$$

115 Bestem integralet

$$\int -6x (-3x^2 + 4)^5 dx$$

$$F(x) = \frac{1}{6} \cdot (-3x^2 + 4)^6 + C$$



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116 Bestem integralet

$$\int 6x \cdot e^{3x^2+7} dx$$

$$F(x) = e^{3x^2+7} + C$$

117 Bestem integralet

$$\int 2x (x^2 + 4)^6 dx$$

$$F(x) = \frac{1}{7} \cdot (x^2 + 4)^7 + C$$

118 Bestem integralet

$$\int \frac{8x}{2x^2 + 2} dx$$

$$F(x) = 2 \ln(x^2 + 1) + C$$

119 Bestem integralet

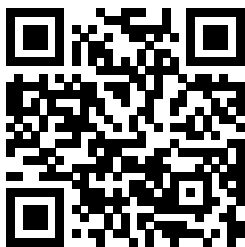
$$\int -2x (-x^2 + 5)^6 dx$$

$$F(x) = \frac{1}{7} \cdot (-x^2 + 5)^7 + C$$

120 Bestem integralet

$$\int \frac{-30x^2}{-5x^3 + 6} dx$$

$$F(x) = 2 \ln(5x^3 - 6) + C$$



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121 Bestem integralet

$$\int 3x^2 \cdot e^{x^3+5} dx$$

$$F(x) = e^{x^3+5} + C$$

122 Bestem integralet

$$\int \frac{-15x^2}{-5x^3 + 6} dx$$

$$F(x) = \ln(5x^3 - 6) + C$$

123 Bestem integralet

$$\int -4x \cdot e^{-2x^2+6} dx$$

$$F(x) = e^{-2x^2+6} + C$$

124 Bestem integralet

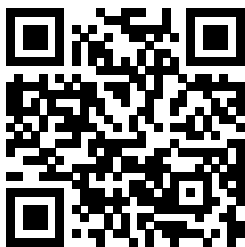
$$\int -9x^2 \cdot e^{-3x^3+4} dx$$

$$F(x) = e^{-3x^3+4} + C$$

125 Bestem integralet

$$\int -2x (-x^2 + 3)^5 dx$$

$$F(x) = \frac{1}{6} \cdot (-x^2 + 3)^6 + C$$



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126 Bestem integralet

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

$$F(x) = \ln(x^2 + 1) + C$$

127 Bestem integralet

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

$$F(x) = 2 \ln(x^2 - 4) + C$$

128 Bestem integralet

$$\int \frac{-42x^2}{-7x^3 + 6} dx$$

$$F(x) = 2 \ln(7x^3 - 6) + C$$

129 Bestem integralet

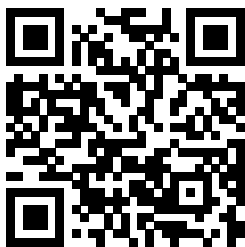
$$\int \frac{-42x^2}{-7x^3 + 2} dx$$

$$F(x) = 2 \ln(7x^3 - 2) + C$$

130 Bestem integralet

$$\int -6x (-3x^2 + 4)^6 dx$$

$$F(x) = \frac{1}{7} \cdot (-3x^2 + 4)^7 + C$$



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131 Bestem integralet

$$\int \frac{8x^3}{x^4 + 6} dx$$

$$F(x) = 2 \ln(x^4 + 6) + C$$

132 Bestem integralet

$$\int -9x^2 \cdot e^{-3x^3+5} dx$$

$$F(x) = e^{-3x^3+5} + C$$

133 Bestem integralet

$$\int -2x (-x^2 + 3)^6 dx$$

$$F(x) = \frac{1}{7} \cdot (-x^2 + 3)^7 + C$$

134 Bestem integralet

$$\int \frac{3x^2}{x^3 - 4} dx$$

$$F(x) = \ln(x^3 - 4) + C$$

135 Bestem integralet

$$\int 2x (x^2 + 3)^4 dx$$

$$F(x) = \frac{1}{5} \cdot (x^2 + 3)^5 + C$$



Integralregning

Integration ved substitution



136 Bestem integralet

$$\int 2x (x^2 + 4)^4 dx$$

$$F(x) = \frac{1}{5} \cdot (x^2 + 4)^5 + C$$

137 Bestem integralet

$$\int \frac{2x}{x^2 + 2} dx$$

$$F(x) = \ln(x^2 + 2) + C$$

138 Bestem integralet

$$\int \frac{4x}{x^2 + 6} dx$$

$$F(x) = 2 \ln(x^2 + 6) + C$$

139 Bestem integralet

$$\int 12x^3 \cdot \sqrt{3x^4 + 2} dx$$

$$F(x) = \frac{2}{3} \cdot (3x^4 + 2)^{\frac{3}{2}} + C$$

140 Bestem integralet

$$\int -6x^2 \cdot \sqrt{-2x^3 + 3} dx$$

$$F(x) = \frac{2}{3} \cdot (-2x^3 + 3)^{\frac{3}{2}} + C$$



Integralregning

Integration ved substitution



141 Bestem integralet

$$\int -9x^2 (-3x^3 + 3)^6 dx$$

$$F(x) = \frac{1}{7} \cdot (-3x^3 + 3)^7 + C$$

142 Bestem integralet

$$\int -4x \cdot \sqrt{-2x^2 + 1} dx$$

$$F(x) = \frac{2}{3} \cdot (-2x^2 + 1)^{\frac{3}{2}} + C$$

143 Bestem integralet

$$\int -3x^2 (-x^3 + 5)^4 dx$$

$$F(x) = \frac{1}{5} \cdot (-x^3 + 5)^5 + C$$

144 Bestem integralet

$$\int -9x^2 (-3x^3 + 5)^4 dx$$

$$F(x) = \frac{1}{5} \cdot (-3x^3 + 5)^5 + C$$

145 Bestem integralet

$$\int 9x^2 \cdot \sqrt{3x^3 + 1} dx$$

$$F(x) = \frac{2}{3} \cdot (3x^3 + 1)^{\frac{3}{2}} + C$$



Integralregning

Integration ved substitution



146 Bestem integralet

$$\int -6x^2 \cdot e^{-2x^3+5} dx$$

$$F(x) = e^{-2x^3+5} + C$$

147 Bestem integralet

$$\int -2x (-x^2 + 4)^4 dx$$

$$F(x) = \frac{1}{5} \cdot (-x^2 + 4)^5 + C$$

148 Bestem integralet

$$\int \frac{-20x^3}{-5x^4 - 4} dx$$

$$F(x) = \ln(5x^4 + 4) + C$$

149 Bestem integralet

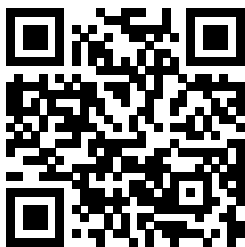
$$\int -12x^3 \cdot e^{-3x^4+6} dx$$

$$F(x) = e^{-3x^4+6} + C$$

150 Bestem integralet

$$\int 6x^2 \cdot \sqrt{2x^3 + 1} dx$$

$$F(x) = \frac{2}{3} \cdot (2x^3 + 1)^{\frac{3}{2}} + C$$



Integralregning

Integration ved substitution



151 Bestem integralet

$$\int \frac{16x^3}{2x^4 + 2} dx$$

$$F(x) = 2 \ln(x^4 + 1) + C$$

152 Bestem integralet

$$\int \frac{-14x}{-7x^2 + 6} dx$$

$$F(x) = \ln(7x^2 - 6) + C$$

153 Bestem integralet

$$\int 2x (x^2 + 5)^4 dx$$

$$F(x) = \frac{1}{5} \cdot (x^2 + 5)^5 + C$$

154 Bestem integralet

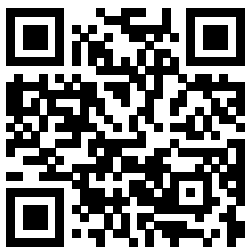
$$\int \frac{3x^2}{x^3 + 2} dx$$

$$F(x) = \ln(x^3 + 2) + C$$

155 Bestem integralet

$$\int -12x^3 \cdot e^{-3x^4+4} dx$$

$$F(x) = e^{-3x^4+4} + C$$



Integralregning

Integration ved substitution



156 Bestem integralet

$$\int -8x^3 \cdot e^{-2x^4+7} dx$$

$$F(x) = e^{-2x^4+7} + C$$

157 Bestem integralet

$$\int 8x^3 \cdot \sqrt{2x^4 + 3} dx$$

$$F(x) = \frac{2}{3} \cdot (2x^4 + 3)^{\frac{3}{2}} + C$$

158 Bestem integralet

$$\int 4x \cdot \sqrt{2x^2 + 2} dx$$

$$F(x) = \frac{2}{3} \cdot (2x^2 + 2)^{\frac{3}{2}} + C$$

159 Bestem integralet

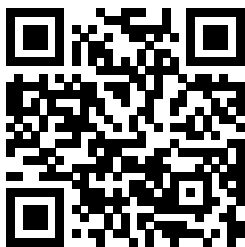
$$\int \frac{-28x}{-7x^2 + 6} dx$$

$$F(x) = 2 \ln(7x^2 - 6) + C$$

160 Bestem integralet

$$\int -6x \cdot e^{-3x^2+6} dx$$

$$F(x) = e^{-3x^2+6} + C$$



Integralregning

Integration ved substitution



161 Bestem integralet

$$\int 3x^2 (x^3 + 4)^6 dx$$

$$F(x) = \frac{1}{7} \cdot (x^3 + 4)^7 + C$$

162 Bestem integralet

$$\int 2x \cdot e^{x^2+7} dx$$

$$F(x) = e^{x^2+7} + C$$

163 Bestem integralet

$$\int 6x \cdot \sqrt{3x^2 + 1} dx$$

$$F(x) = \frac{2}{3} \cdot (3x^2 + 1)^{\frac{3}{2}} + C$$

164 Bestem integralet

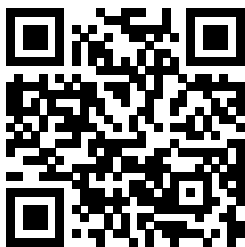
$$\int \frac{-20x}{-5x^2 + 6} dx$$

$$F(x) = 2 \ln(5x^2 - 6) + C$$

165 Bestem integralet

$$\int -6x (-3x^2 + 3)^6 dx$$

$$F(x) = \frac{1}{7} \cdot (-3x^2 + 3)^7 + C$$



Integralregning

Integration ved substitution



166 Bestem integralet

$$\int 3x^2 \cdot \sqrt{x^3 + 3} dx$$

$$F(x) = \frac{2}{3} \cdot (x^3 + 3)^{\frac{3}{2}} + C$$

167 Bestem integralet

$$\int -6x \cdot e^{-3x^2+5} dx$$

$$F(x) = e^{-3x^2+5} + C$$

168 Bestem integralet

$$\int -6x^2 \cdot \sqrt{-2x^3 + 2} dx$$

$$F(x) = \frac{2}{3} \cdot (-2x^3 + 2)^{\frac{3}{2}} + C$$

169 Bestem integralet

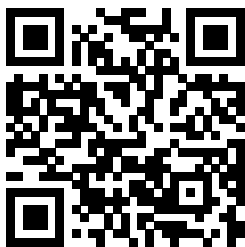
$$\int -3x^2 (-x^3 + 3)^5 dx$$

$$F(x) = \frac{1}{6} \cdot (-x^3 + 3)^6 + C$$

170 Bestem integralet

$$\int -9x^2 \cdot e^{-3x^3+7} dx$$

$$F(x) = e^{-3x^3+7} + C$$



Integralregning

Integration ved substitution



171 Bestem integralet

$$\int 6x^2 (2x^3 + 5)^4 dx$$

$$F(x) = \frac{1}{5} \cdot (2x^3 + 5)^5 + C$$

172 Bestem integralet

$$\int 4x (2x^2 + 3)^4 dx$$

$$F(x) = \frac{1}{5} \cdot (2x^2 + 3)^5 + C$$

173 Bestem integralet

$$\int 12x^3 \cdot e^{3x^4+6} dx$$

$$F(x) = e^{3x^4+6} + C$$

174 Bestem integralet

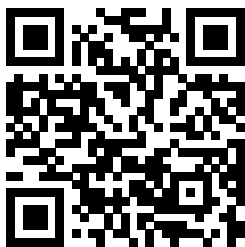
$$\int -8x^3 \cdot e^{-2x^4+5} dx$$

$$F(x) = e^{-2x^4+5} + C$$

175 Bestem integralet

$$\int 2x \cdot e^{x^2+6} dx$$

$$F(x) = e^{x^2+6} + C$$



Integralregning

Integration ved substitution



176 Bestem integralet

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

$$F(x) = \frac{1}{6} \cdot (x^3 + 4)^6 + C$$

177 Bestem integralet

$$\int -12x^3 \cdot e^{-3x^4+7} dx$$

$$F(x) = e^{-3x^4+7} + C$$

178 Bestem integralet

$$\int \frac{3x^2}{x^3 + 6} dx$$

$$F(x) = \ln(x^3 + 6) + C$$

179 Bestem integralet

$$\int 4x^3 \cdot e^{x^4+6} dx$$

$$F(x) = e^{x^4+6} + C$$

180 Bestem integralet

$$\int -3x^2 (-x^3 + 4)^5 dx$$

$$F(x) = \frac{1}{6} \cdot (-x^3 + 4)^6 + C$$



Integralregning

Integration ved substitution



181 Bestem integralet

$$\int 9x^2 \cdot \sqrt{3x^3 + 3} dx$$

$$F(x) = \frac{2}{3} \cdot (3x^3 + 3)^{\frac{3}{2}} + C$$

182 Bestem integralet

$$\int -6x \cdot e^{-3x^2+4} dx$$

$$F(x) = e^{-3x^2+4} + C$$

183 Bestem integralet

$$\int 12x^3 \cdot \sqrt{3x^4 + 3} dx$$

$$F(x) = \frac{2}{3} \cdot (3x^4 + 3)^{\frac{3}{2}} + C$$

184 Bestem integralet

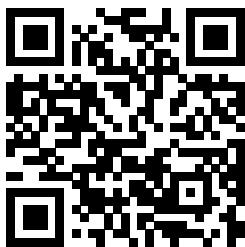
$$\int \frac{6x^2}{2x^3 - 4} dx$$

$$F(x) = \ln(x^3 - 2) + C$$

185 Bestem integralet

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

$$F(x) = 2 \ln(x^2 + 2) + C$$



Integralregning

Integration ved substitution



186 Bestem integralet

$$\int -6x^2 \cdot e^{-2x^3+7} dx$$

$$F(x) = e^{-2x^3+7} + C$$

187 Bestem integralet

$$\int 6x^2 \cdot \sqrt{2x^3 + 3} dx$$

$$F(x) = \frac{2}{3} \cdot (2x^3 + 3)^{\frac{3}{2}} + C$$

188 Bestem integralet

$$\int -3x^2 (-x^3 + 5)^5 dx$$

$$F(x) = \frac{1}{6} \cdot (-x^3 + 5)^6 + C$$

189 Bestem integralet

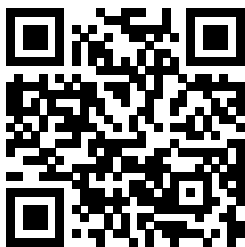
$$\int \frac{8x^3}{2x^4 - 4} dx$$

$$F(x) = \ln(x^4 - 2) + C$$

190 Bestem integralet

$$\int -14 \frac{x}{-7x^2 - 4} dx$$

$$F(x) = \ln(7x^2 + 4) + C$$



Integralregning

Integration ved substitution



191 Bestem integralet

$$\int 12x^3 \cdot e^{3x^4+4} dx$$

$$F(x) = e^{3x^4+4} + C$$

192 Bestem integralet

$$\int \frac{-28x}{-7x^2 + 2} dx$$

$$F(x) = 2 \ln(7x^2 - 2) + C$$

193 Bestem integralet

$$\int -2x (-x^2 + 4)^6 dx$$

$$F(x) = \frac{1}{7} \cdot (-x^2 + 4)^7 + C$$

194 Bestem integralet

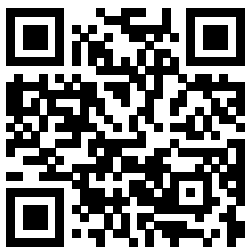
$$\int 2x \cdot \sqrt{x^2 + 3} dx$$

$$F(x) = \frac{2}{3} \cdot (x^2 + 3)^{\frac{3}{2}} + C$$

195 Bestem integralet

$$\int \frac{-42x^2}{-7x^3 - 4} dx$$

$$F(x) = 2 \ln(7x^3 + 4) + C$$



Integralregning

Integration ved substitution



196 Bestem integralet

$$\int \frac{-20x^3}{-5x^4 + 6} dx$$

$$F(x) = \ln(5x^4 - 6) + C$$

197 Bestem integralet

$$\int 3x^2 (x^3 + 3)^5 dx$$

$$F(x) = \frac{1}{6} \cdot (x^3 + 3)^6 + C$$

198 Bestem integralet

$$\int \frac{6x^2}{2x^3 + 2} dx$$

$$F(x) = \ln(x^3 + 1) + C$$

199 Bestem integralet

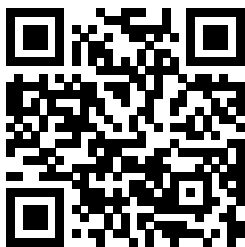
$$\int 9x^2 \cdot e^{3x^3+4} dx$$

$$F(x) = e^{3x^3+4} + C$$

200 Bestem integralet

$$\int -9x^2 (-3x^3 + 5)^6 dx$$

$$F(x) = \frac{1}{7} \cdot (-3x^3 + 5)^7 + C$$



Integralregning

Integration ved substitution



201 Bestem integralet

$$\int -3x^2 (-x^3 + 3)^6 dx$$

$$F(x) = \frac{1}{7} \cdot (-x^3 + 3)^7 + C$$

202 Bestem integralet

$$\int \frac{-20x^3}{-5x^4 + 2} dx$$

$$F(x) = \ln(5x^4 - 2) + C$$

203 Bestem integralet

$$\int \frac{8x^3}{x^4 + 2} dx$$

$$F(x) = 2 \ln(x^4 + 2) + C$$

204 Bestem integralet

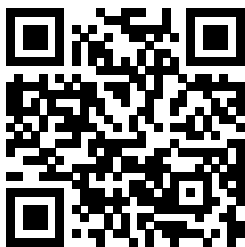
$$\int \frac{-20x}{-5x^2 + 2} dx$$

$$F(x) = 2 \ln(5x^2 - 2) + C$$

205 Bestem integralet

$$\int 6x^2 (2x^3 + 4)^6 dx$$

$$F(x) = \frac{1}{7} \cdot (2x^3 + 4)^7 + C$$



Integralregning

Integration ved substitution



206 Bestem integralet

$$\int \frac{-40x^3}{-5x^4 + 2} dx$$

$$F(x) = 2 \ln(5x^4 - 2) + C$$

207 Bestem integralet

$$\int \frac{8x^3}{2x^4 + 2} dx$$

$$F(x) = \ln(x^4 + 1) + C$$

208 Bestem integralet

$$\int \frac{6x^2}{x^3 - 4} dx$$

$$F(x) = 2 \ln(x^3 - 4) + C$$

209 Bestem integralet

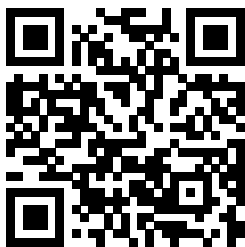
$$\int 4x (2x^2 + 3)^5 dx$$

$$F(x) = \frac{1}{6} \cdot (2x^2 + 3)^6 + C$$

210 Bestem integralet

$$\int -9x^2 (-3x^3 + 4)^5 dx$$

$$F(x) = \frac{1}{6} \cdot (-3x^3 + 4)^6 + C$$



Integralregning

Integration ved substitution



211 Bestem integralet

$$\int -3x^2 (-x^3 + 4)^6 dx$$

$$F(x) = \frac{1}{7} \cdot (-x^3 + 4)^7 + C$$

212 Bestem integralet

$$\int 4x \cdot \sqrt{2x^2 + 3} dx$$

$$F(x) = \frac{2}{3} \cdot (2x^2 + 3)^{\frac{3}{2}} + C$$

213 Bestem integralet

$$\int 6x \cdot \sqrt{3x^2 + 3} dx$$

$$F(x) = \frac{2}{3} \cdot (3x^2 + 3)^{\frac{3}{2}} + C$$

214 Bestem integralet

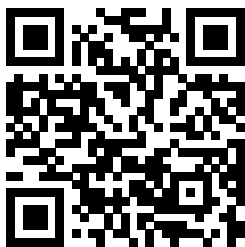
$$\int -8x^3 \cdot e^{-2x^4+6} dx$$

$$F(x) = e^{-2x^4+6} + C$$

215 Bestem integralet

$$\int 4x (2x^2 + 5)^5 dx$$

$$F(x) = \frac{1}{6} \cdot (2x^2 + 5)^6 + C$$



Integralregning

Integration ved substitution



216 Bestem integralet

$$\int -6x (-3x^2 + 5)^6 dx$$

$$F(x) = \frac{1}{7} \cdot (-3x^2 + 5)^7 + C$$

217 Bestem integralet

$$\int 6x^2 (2x^3 + 5)^6 dx$$

$$F(x) = \frac{1}{7} \cdot (2x^3 + 5)^7 + C$$

218 Bestem integralet

$$\int 9x^2 \cdot \sqrt{3x^3 + 2} dx$$

$$F(x) = \frac{2}{3} \cdot (3x^3 + 2)^{\frac{3}{2}} + C$$

219 Bestem integralet

$$\int 4x (2x^2 + 3)^6 dx$$

$$F(x) = \frac{1}{7} \cdot (2x^2 + 3)^7 + C$$

220 Bestem integralet

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

$$F(x) = \frac{1}{5} \cdot (x^3 + 5)^5 + C$$



Integralregning

Integration ved substitution



221 Bestem integralet

$$\int -9x^2 \cdot e^{-3x^3+6} dx$$

$$F(x) = e^{-3x^3+6} + C$$

222 Bestem integralet

$$\int -4x \cdot \sqrt{-2x^2 + 2} dx$$

$$F(x) = \frac{2}{3} \cdot (-2x^2 + 2)^{\frac{3}{2}} + C$$

223 Bestem integralet

$$\int \frac{6x^2}{x^3 + 2} dx$$

$$F(x) = 2 \ln(x^3 + 2) + C$$

224 Bestem integralet

$$\int 4x \cdot \sqrt{2x^2 + 1} dx$$

$$F(x) = \frac{2}{3} \cdot (2x^2 + 1)^{\frac{3}{2}} + C$$

225 Bestem integralet

$$\int \frac{12x^2}{2x^3 + 6} dx$$

$$F(x) = 2 \ln(x^3 + 3) + C$$



Integralregning

Integration ved substitution



226 Bestem integralet

$$\int \frac{12x^2}{2x^3 - 4} dx$$

$$F(x) = 2 \ln(x^3 - 2) + C$$

227 Bestem integralet

$$\int \frac{16x^3}{2x^4 + 6} dx$$

$$F(x) = 2 \ln(x^4 + 3) + C$$

228 Bestem integralet

$$\int 4x (2x^2 + 5)^6 dx$$

$$F(x) = \frac{1}{7} \cdot (2x^2 + 5)^7 + C$$