



Mathematik-Übungsblatt mit Lösungen von www.worksheeps.de / www.mathe-aufgaben.net
Mathe-Aufgaben mit Lösungen einfach schnell selbst erstellen.

Potenzen

1) $f(x) = (-11)x^5 + (-9)x^{19} + 15x^{29} + 19x^{48} + (-3)$

$$F_c(x) = \frac{-11}{6}x^6 + \frac{-9}{20}x^{20} + \frac{1}{2}x^{30} + \frac{19}{49}x^{49} + (-3)x + c$$

2) $f(x) = (-2)x^{-8}$

$$F_c(x) = \frac{2}{7}x^{-7} + c$$

3) $f(x) = 8x^{50} + 3x^{23} + (-5)$

$$F_c(x) = \frac{8}{51}x^{51} + \frac{1}{8}x^{24} + (-5)x + c$$

4) $f(x) = 10x^{49} + 9x^{24} + (-8)$

$$F_c(x) = \frac{1}{5}x^{50} + \frac{9}{25}x^{25} + (-8)x + c$$

5) $f(x) = (-12)x^{-13}$

$$F_c(x) = \frac{1}{1}x^{-12} + c$$

6) $f(x) = (-12)x^{36} + (-8)x^{20} + 2$

$$F_c(x) = \frac{-12}{37}x^{37} + \frac{-8}{21}x^{21} + 2x + c$$

7) $f(x) = (-11)x^5 + 5x^{20} + (-16)x^{30} + (-17)x^{46} + (-17)$

$$F_c(x) = \frac{-11}{6}x^6 + \frac{5}{21}x^{21} + \frac{-16}{31}x^{31} + \frac{-17}{47}x^{47} + (-17)x + c$$

8) $f(x) = (-16)x^{-12}$

$$F_c(x) = \frac{16}{11}x^{-11} + c$$

9) $f(x) = (-18)x^{30} + 4x^{11} + 15$

$$F_c(x) = \frac{-18}{31}x^{31} + \frac{1}{3}x^{12} + 15x + c$$

10) $f(x) = (-18)x^{25} + 20x^{17} + (-14)$

$$F_c(x) = \frac{-9}{13}x^{26} + \frac{10}{9}x^{18} + (-14)x + c$$