1 Class1 - Student 1 - Derivatives and anti-derivatives

$$\int \frac{1}{5t^{\frac{3}{2}}}\,dt = \tag{1}$$

$$\frac{d}{dx}\left(\frac{5}{2}2^{2x}\right) = \tag{2}$$

$$\frac{d}{dx}\pi^{-\frac{kx}{2}} = \tag{3}$$

$$\frac{d}{dx}\left(\frac{x^3}{3}\right) = \tag{4}$$

$$\frac{d}{dx}\left(\frac{a}{5x^4}\right) = \tag{5}$$

$$\frac{d}{dx}\left(\frac{a}{3}\right) = \tag{6}$$

$$\int 5^{kx}\,dx = \tag{7}$$

$$\frac{d}{dt}\left(\frac{2t^3}{b}\right) = \tag{8}$$

$$\frac{d}{dx}\pi^{kx} = \tag{9}$$

$$\int 4x\,dx = \tag{10}$$

$$\frac{d}{dt}\frac{4}{5} = \tag{11}$$

$$\frac{d}{dx}\left(4\cdot 2^{-\frac{2x}{3}}\right) = \tag{12}$$

$$\frac{d}{dx}x = \tag{13}$$

$$\frac{d}{dx}\left(4x^n\right) = \tag{14}$$

$$\frac{d}{dx}\left(\frac{2}{b}\pi^{-5x}\right) = \tag{15}$$

$$\int \frac{2t}{b}\,dt = \tag{16}$$

$$\int \frac{4}{5}3^x\,dx = \tag{17}$$

$$\int \frac{a}{b}4^{-2x}\,dx = \tag{18}$$

$$\int \frac{ax}{b}\,dx = \tag{19}$$

$$\frac{d}{dt}\left(\frac{t^n}{4}\right) = \tag{20}$$

$$\frac{d}{dt}\left(\frac{t^4}{2}\right) = \tag{21}$$

$$\int 5x^n\,dx = \tag{22}$$

$$\int ax\,dx = \tag{23}$$

$$\frac{d}{dx}\left(\frac{3}{b}3^{-4x}\right) = \tag{24}$$

$$\int \frac{x^n}{2}\,dx = \tag{25}$$

$$\int 5^{4x}\,dx = \tag{26}$$

$$\frac{d}{dx}\left(\frac{4x^3}{5}\right) = \tag{27}$$

$$\int \frac{3\pi^t}{2}\,dt = \tag{28}$$

$$\int \frac{5^t}{3}\,dt = \tag{29}$$

$$\frac{d}{dt}\left(\frac{3}{b}4^{\frac{kt}{2}}\right) = \tag{30}$$

$$\int \frac{3}{b}5^x\,dx = \tag{31}$$

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

$$\frac{d}{dx}\left(\frac{4^x}{4}\right) = \tag{33}$$

$$\int \frac{3}{2}\,dt = \tag{34}$$

$$\frac{d}{dx}\left(\frac{2x^4}{5}\right) = \tag{35}$$

$$\int x^2\,dx = \tag{36}$$

$$\frac{d}{dt}\frac{1}{3} = \tag{37}$$

$$\int 4\,dx = \tag{38}$$

$$\frac{d}{dx}\left(\frac{3x^3}{4}\right) = \tag{39}$$

$$\frac{d}{dx}5^{5x} = \tag{40}$$

$$\int \frac{4}{5t}\,dt = \tag{41}$$

$$\frac{d}{dx}\left(\frac{ax}{2}\right) = \tag{42}$$

$$\frac{d}{dx}\left(\frac{4^{\frac{kx}{3}}}{2}\right) = \tag{43}$$

$$\frac{d}{dx}\left(\frac{2\sqrt[3]{x}}{b}\right) = \tag{44}$$

$$\int t^2\,dt = \tag{45}$$

$$\frac{d}{dx}\left(\frac{2x^2}{b}\right) = \tag{46}$$

$$\frac{d}{dx}\left(\frac{5}{2}5^{5x}\right) = \tag{47}$$

$$\int 2\,dt = \tag{48}$$

$$\int \frac{3x^n}{2}\,dx = \tag{49}$$

$$\int 2\,dt = \tag{50}$$

$$\frac{d}{dt}\left(\frac{t^3}{3}\right) = \tag{51}$$

$$\int 3^{-2t}\,dt = \tag{52}$$

$$\frac{d}{dx}\left(2x^3\right) = \tag{53}$$

$$\int \frac{1}{5}\pi^{-3x}\,dx = \tag{54}$$

$$\frac{d}{dx}3 = \tag{55}$$

$$\int \frac{2e^{\frac{t}{3}}}{b}\,dt = \tag{56}$$

$$\frac{d}{dt}\left(2\cdot 2^{2t}\right) = \tag{57}$$

$$\int x^{\frac{n}{2}}\,dx = \tag{58}$$

$$\int t\,dt = \tag{59}$$

$$\int 2\cdot 2^{-5x}\,dx = \tag{60}$$

$$\int 4e^{-2t}\,dt = \tag{61}$$

$$\int 4\cdot 4^{2x}\,dx = \tag{62}$$

$$\frac{d}{dt}\left(\frac{at^n}{3}\right) = \tag{63}$$

$$\frac{d}{dx}\left(\frac{4}{b}\right) = \tag{64}$$

$$\int \frac{1}{t}\,dt = \tag{65}$$

$$\int \frac{4}{5}4^{4x}\,dx = \tag{66}$$

$$\frac{d}{dx}\left(\frac{3}{5}2^x\right) = \tag{67}$$

$$\int \frac{t^n}{5}\,dt = \tag{68}$$

$$\frac{d}{dt}\frac{1}{t^3} = \tag{69}$$

$$\frac{d}{dt}\left(\frac{4}{5}2^{5t}\right) = \tag{70}$$

$$\frac{d}{dx}x^{\frac{3}{2}} = \tag{71}$$

$$\int 4\cdot 4^{-\frac{kx}{2}}\,dx = \tag{72}$$

$$\int \pi^{3t}\,dt = \tag{73}$$

$$\frac{d}{dt}\left(\frac{at^2}{4}\right) = \tag{74}$$

$$\int \frac{2}{t^4}\,dt = \tag{75}$$

2 Class1 - Student 2 - Derivatives and anti-derivatives

$$\int \frac{5}{2}2^{-3t}\,dt\ = \tag{1}$$

$$\int t^{-n}\,dt\ = \tag{2}$$

$$\int 3^{5t}a\,dt\ = \tag{3}$$

$$\int 4x^{\frac{3}{2}}\,dx\ = \tag{4}$$

$$\int \frac{\pi^{5t}}{2}\,dt\ = \tag{5}$$

$$\frac{d}{dx}x^4\ = \tag{6}$$

$$\int \frac{3}{4}2^{-\frac{t}{2}}\,dt\ = \tag{7}$$

$$\frac{d}{dx}\left(4\cdot 2^{5x}\right)\ = \tag{8}$$

$$\frac{d}{dx}5^{2x}\ = \tag{9}$$

$$\int 2^{-4x}\,dx\ = \tag{10}$$

$$\int 2^{-\frac{t}{3}}\,dt\ = \tag{11}$$

$$\frac{d}{dt}\left(\frac{a}{3}\pi^{\frac{2t}{3}}\right)\ = \tag{12}$$

$$\frac{d}{dt}\left(2e^{kt}\right)\ = \tag{13}$$

$$\frac{d}{dt}\left(2t^n\right)\ = \tag{14}$$

$$\int \frac{a}{2}\pi^{5x}\,dx\ = \tag{15}$$

$$\frac{d}{dt}\left(\frac{1}{bt^2}\right)\ = \tag{16}$$

$$\frac{d}{dt}\left(\frac{5t^2}{3}\right)\ = \tag{17}$$

$$\frac{d}{dt}\left(\frac{3}{4}3^{4t}\right)\ = \tag{18}$$

$$\frac{d}{dx}5\ = \tag{19}$$

$$\frac{d}{dx}\left(\frac{5x^4}{2}\right)\ = \tag{20}$$

$$\int \pi^{-5t}\,dt\ = \tag{21}$$

$$\int 3t^2\,dt\ = \tag{22}$$

$$\frac{d}{dt}5\ = \tag{23}$$

$$\frac{d}{dt}\left(\frac{3}{5}2^{5t}\right)\ = \tag{24}$$

$$\frac{d}{dx}\left(\frac{3}{b}\right)\ = \tag{25}$$

$$\int \frac{a}{2}5^{-x}\,dx\ = \tag{26}$$

$$\int \frac{2x^4}{5}\,dx\ = \tag{27}$$

$$\frac{d}{dt}\frac{1}{t^3}\ = \tag{28}$$

$$\int \frac{e^t}{2}\,dt\ = \tag{29}$$

$$\frac{d}{dx}\left(\frac{x}{5}\right)\ = \tag{30}$$

$$\int \frac{1}{b}2^{-2t}\,dt\ = \tag{31}$$

$$\frac{d}{dx}\frac{5}{2}\ = \tag{32}$$

$$\frac{d}{dt}\left(\frac{3^t}{2}\right)\ = \tag{33}$$

$$\int \frac{4x^2}{b}\,dx\ = \tag{34}$$

$$\frac{d}{dt}\left(\frac{3^{\frac{kt}{3}}}{2}\right)\ = \tag{35}$$

$$\int 3^{-\frac{5t}{2}}\,dt\ = \tag{36}$$

$$\int \frac{3}{b}2^{-5x}\,dx\ = \tag{37}$$

$$\frac{d}{dt}\left(\frac{a}{t^3}\right) = \tag{38}$$

$$\frac{d}{dt}\left(2 \cdot 3^{3t}\right) = \tag{39}$$

$$\int \frac{3}{4}\pi^{kx}\,dx = \tag{40}$$

$$\int 2^{3t}\,dt = \tag{41}$$

$$\frac{d}{dt}\left(\frac{5t^2}{2}\right) = \tag{42}$$

$$\frac{d}{dt}2 = \tag{43}$$

$$\frac{d}{dx}\left(\frac{2}{b}4^{-kx}\right) = \tag{44}$$

$$\frac{d}{dx}\left(\frac{3x^3}{4}\right) = \tag{45}$$

$$\frac{d}{dx}x^4 = \tag{46}$$

$$\frac{d}{dx}\left(\frac{2^{5x}}{5}\right) = \tag{47}$$

$$\frac{d}{dt}\left(\frac{a}{5}3^{\frac{2t}{3}}\right) = \tag{48}$$

$$\int \frac{a}{2}\,dx = \tag{49}$$

$$\frac{d}{dt}\left(\frac{4^{-t}}{b}\right) = \tag{50}$$

$$\frac{d}{dt}\frac{1}{t^2} = \tag{51}$$

$$\frac{d}{dx}\frac{2}{3} = \tag{52}$$

$$\int \frac{1}{4}\,dt = \tag{53}$$

$$\frac{d}{dx}\left(4x\right) = \tag{54}$$

$$\int \frac{2x}{b}\,dx = \tag{55}$$

$$\frac{d}{dt}\left(\frac{4}{5}\pi^{-4t}\right) = \tag{56}$$

$$\frac{d}{dt}\left(\frac{2}{3}4^{-5t}\right) = \tag{57}$$

$$\frac{d}{dx}\left(\frac{1}{4}5^{-2x}\right) = \tag{58}$$

$$\int 4e^{\frac{2t}{3}}\,dt = \tag{59}$$

$$\int \frac{at^4}{4}\,dt = \tag{60}$$

$$\int \frac{4}{b}4^{2t}\,dt = \tag{61}$$

$$\frac{d}{dt}\pi^{5t} = \tag{62}$$

$$\frac{d}{dt}\left(\frac{5}{3t}\right) = \tag{63}$$

$$\int 5\sqrt{t}\,dt = \tag{64}$$

$$\frac{d}{dt}\left(\frac{2t^4}{3}\right) = \tag{65}$$

$$\int \frac{4}{5}\,dt = \tag{66}$$

$$\int \frac{5}{4}\,dt = \tag{67}$$

$$\frac{d}{dx}\left(\frac{5x}{3}\right) = \tag{68}$$

$$\frac{d}{dt}\left(\frac{5^t}{b}\right) = \tag{69}$$

$$\int \frac{5^t}{4}\,dt = \tag{70}$$

$$\frac{d}{dt}\left(\frac{5t^2}{4}\right) = \tag{71}$$

$$\frac{d}{dt}\left(\frac{3}{t}\right) = \tag{72}$$

$$\int \frac{3x^n}{b}\,dx = \tag{73}$$

$$\int 4x^n\,dx = \tag{74}$$

$$\int \frac{a}{2}\,dt = \tag{75}$$

3 Class1 - Student 3 - Derivatives and anti-derivatives

$$\int \frac{5}{4}5^{\frac{5x}{2}}\,dx = \tag{1}$$

$$\frac{d}{dx}\left(\frac{2}{3}\pi^{2x}\right) = \tag{2}$$

$$\int \frac{3}{4}5^{4x}\,dx = \tag{3}$$

$$\int \frac{t^{\frac{n}{2}}}{3}\,dt = \tag{4}$$

$$\int \frac{3}{b}2^{kx}\,dx = \tag{5}$$

$$\int \frac{2}{b}5^{2t}\,dt = \tag{6}$$

$$\int 3^{\frac{3t}{2}}\,dt = \tag{7}$$

$$\frac{d}{dx}\left(\frac{3e^{x}}{b}\right) = \tag{8}$$

$$\int \frac{e^{t}}{2}\,dt = \tag{9}$$

$$\frac{d}{dx}\left(\frac{2x}{5}\right) = \tag{10}$$

$$\frac{d}{dx}1 = \tag{11}$$

$$\frac{d}{dx}\left(\frac{5}{3}5^{-5x}\right) = \tag{12}$$

$$\int \frac{3}{4}\,dx = \tag{13}$$

$$\frac{d}{dt}\left(\frac{5t^{2}}{2}\right) = \tag{14}$$

$$\frac{d}{dx}\left(\frac{4x^{n}}{b}\right) = \tag{15}$$

$$\int \frac{x}{5}\,dx = \tag{16}$$

$$\int \frac{2\pi^{\frac{x}{3}}}{5}\,dx = \tag{17}$$

$$\int \frac{5^{\frac{t}{3}}}{2}\,dt = \tag{18}$$

$$\frac{d}{dx}\frac{1}{5} = \tag{19}$$

$$\int 4\sqrt{t}\,dt = \tag{20}$$

$$\frac{d}{dx}\left(\frac{a}{4}x^{-n}\right) = \tag{21}$$

$$\frac{d}{dt}\left(\frac{4}{5}\pi^{-\frac{5t}{2}}\right) = \tag{22}$$

$$\int \frac{1}{3}\,dt = \tag{23}$$

$$\frac{d}{dt}\left(\frac{a}{t^{2}}\right) = \tag{24}$$

$$\int \frac{3^{\frac{5x}{2}}}{2}\,dx = \tag{25}$$

$$\int \frac{4}{3}3^{4x}\,dx = \tag{26}$$

$$\int \frac{5x^{4}}{4}\,dx = \tag{27}$$

$$\int \frac{5^{5x}}{4}\,dx = \tag{28}$$

$$\frac{d}{dt}\left(\frac{5}{b}e^{-\frac{5t}{3}}\right) = \tag{29}$$

$$\int \frac{5}{4}5^{kx}\,dx = \tag{30}$$

$$\frac{d}{dx}\left(\frac{5}{4}3^{5x}\right) = \tag{31}$$

$$\frac{d}{dt}t^{\frac{n}{2}} = \tag{32}$$

$$\int \frac{ax^{\frac{n}{2}}}{3}\,dx = \tag{33}$$

$$\int \frac{3}{b}\pi^{3x}\,dx = \tag{34}$$

$$\int \frac{5\pi^{t}}{2}\,dt = \tag{35}$$

$$\frac{d}{dx}\left(\frac{a}{4}2^{4x}\right) = \tag{36}$$

$$\frac{d}{dt}\left(\frac{a}{2}5^{3t}\right) = \tag{37}$$

$$\int t^2\,dt\ = \tag{38}$$

$$\int 2\,dt\ = \tag{39}$$

$$\frac{d}{dx}\left(\frac{3}{4}2^{5x}\right) = \tag{40}$$

$$\frac{d}{dt}\left(\frac{a}{bt^2}\right) = \tag{41}$$

$$\frac{d}{dt}\left(\frac{4t^{\frac{n}{3}}}{b}\right) = \tag{42}$$

$$\frac{d}{dt}\left(\frac{t}{b}\right) = \tag{43}$$

$$\int \frac{3}{5}2^{\frac{5t}{3}}\,dt\ = \tag{44}$$

$$\int \frac{\pi^{2x}}{2}\,dx\ = \tag{45}$$

$$\int \frac{e^{\frac{kx}{2}}}{2}\,dx\ = \tag{46}$$

$$\frac{d}{dx}x\ = \tag{47}$$

$$\int \frac{5}{bt}\,dt\ = \tag{48}$$

$$\int 2x^{\frac{n}{2}}\,dx\ = \tag{49}$$

$$\int \pi^{-5x}\,dx\ = \tag{50}$$

$$\frac{d}{dx}\left(2x^n\right) = \tag{51}$$

$$\frac{d}{dx}\left(\frac{2}{b}3^{-5x}\right) = \tag{52}$$

$$\frac{d}{dx}\left(\frac{2^{5x}}{b}\right) = \tag{53}$$

$$\int \frac{4}{5}2^{5t}\,dt\ = \tag{54}$$

$$\int \frac{5}{2}e^{-x}\,dx\ = \tag{55}$$

$$\int 5^{-t}\,dt\ = \tag{56}$$

$$\int \frac{2\pi^x}{3}\,dx\ = \tag{57}$$

$$\int \frac{t^n}{5}\,dt\ = \tag{58}$$

$$\frac{d}{dt}\left(\frac{3t}{4}\right) = \tag{59}$$

$$\frac{d}{dt}\left(2t^3\right) = \tag{60}$$

$$\frac{d}{dt}\left(\frac{a}{b}2^{5t}\right) = \tag{61}$$

$$\frac{d}{dt}\left(4^{5t}a\right) = \tag{62}$$

$$\frac{d}{dx}\frac{1}{x^3} = \tag{63}$$

$$\frac{d}{dx}\left(4x^{\frac{n}{2}}\right) = \tag{64}$$

$$\frac{d}{dt}\left(5t^3\right) = \tag{65}$$

$$\int \frac{3^{-t}}{2}\,dt\ = \tag{66}$$

$$\int \frac{3x^2}{4}\,dx\ = \tag{67}$$

$$\frac{d}{dx}\left(\frac{a}{b}4^{-4x}\right) = \tag{68}$$

$$\int \frac{at^n}{2}\,dt\ = \tag{69}$$

$$\int \frac{3\pi^t}{2}\,dt\ = \tag{70}$$

$$\frac{d}{dt}\left(\frac{2}{5}5^{4t}\right) = \tag{71}$$

$$\int \frac{x}{2}\,dx\ = \tag{72}$$

$$\frac{d}{dt}\left(\frac{a}{5}5^{\frac{kt}{2}}\right) = \tag{73}$$

$$\frac{d}{dx}\left(\frac{x}{3}\right) = \tag{74}$$

$$\int \frac{3x^2}{4}\,dx\ = \tag{75}$$