1

$$-2 \tag{1}$$

$$\cos\left(x\right) \tag{2}$$

$$-\frac{8\tan\left(4+\frac{2}{x^4}\right)\sec\left(4+\frac{2}{x^4}\right)}{x^5} \tag{3}$$

$$\frac{e^{\tan\left(\ln\left(x\right)\right)}\ln\left(e\right)}{x\cos^2\left(\ln\left(x\right)\right)} \tag{4}$$

$$\frac{1}{x\ln\left(\frac{1}{x}\right)^2} \tag{5}$$

$$\frac{\sin\left(x\right)\cos\left(\cos\left(x\right)\right)}{\sin^2\left(\cos\left(x\right)\right)} \tag{6}$$

$$-\frac{e^x\ln\left(e\right)\cos\left(e^x\right)}{\sin^2\left(e^x\right)} \tag{7}$$

$$17496\left(4x-3\right)^5 \tag{8}$$

$$-2\sin\left(x\right)\cos\left(x\right)\cos\left(\cos^2\left(x\right)\right) \tag{9}$$

$$2\cos\left(x\right)\cos\left(\sin\left(x\right)\right) \tag{10}$$

2

$$\begin{bmatrix} 1 & 0 & -1 \\ \frac{43}{38} & -\frac{2}{19} & -\frac{23}{19} \\ -\frac{17}{38} & \frac{3}{19} & \frac{6}{19} \end{bmatrix} \tag{11}$$

$$\begin{bmatrix} -\frac{5}{101} & -\frac{12}{101} & \frac{2}{101} \\ \frac{4}{101} & -\frac{1}{202} & -\frac{67}{404} \\ \frac{8}{101} & -\frac{1}{101} & \frac{17}{101} \end{bmatrix} \tag{12}$$

$$\begin{bmatrix} -\frac{42}{433} & -\frac{33}{433} & -\frac{29}{433} \\ \frac{5}{433} & -\frac{27}{433} & \frac{55}{433} \\ \frac{38}{433} & -\frac{32}{433} & -\frac{15}{433} \end{bmatrix} \tag{13}$$

$$\begin{bmatrix} -\frac{3}{62} & -\frac{11}{155} & \frac{49}{310} \\ \frac{5}{62} & -\frac{3}{62} & -\frac{3}{31} \\ \frac{2}{31} & \frac{19}{310} & \frac{7}{310} \end{bmatrix} \tag{14}$$

$$\begin{bmatrix} \frac{1}{21} & -\frac{1}{21} & \frac{5}{21} \\ -\frac{43}{42} & \frac{1}{42} & -\frac{13}{21} \\ -\frac{20}{21} & -\frac{1}{21} & -\frac{16}{21} \end{bmatrix} \tag{15}$$

$$\begin{bmatrix} -\frac{65}{547} & \frac{19}{547} & \frac{98}{547} \\ -\frac{10}{547} & \frac{45}{547} & -\frac{27}{547} \\ \frac{12}{547} & -\frac{54}{547} & -\frac{77}{547} \end{bmatrix} \tag{16}$$

$$\begin{bmatrix} -\frac{8}{93} & -\frac{13}{186} & -\frac{4}{93} \\ \frac{17}{279} & \frac{8}{279} & -\frac{38}{279} \\ -\frac{23}{279} & \frac{22}{279} & \frac{35}{279} \end{bmatrix} \tag{17}$$

$$\begin{bmatrix} \frac{30}{199} & \frac{27}{199} & \frac{1}{199} \\ \frac{31}{199} & \frac{8}{199} & -\frac{51}{398} \\ -\frac{11}{199} & \frac{10}{199} & -\frac{7}{199} \end{bmatrix} \tag{18}$$

$$\begin{bmatrix} -\frac{34}{599} & \frac{4}{599} & \frac{71}{599} \\ -\frac{13}{599} & \frac{72}{599} & \frac{80}{599} \\ \frac{49}{599} & -\frac{41}{599} & \frac{21}{599} \end{bmatrix} \tag{19}$$

$$\begin{bmatrix} \frac{1}{14} & -\frac{1}{28} & \frac{1}{12} \\ \frac{1}{14} & \frac{3}{14} & 0 \\ -\frac{3}{7} & -\frac{15}{28} & \frac{1}{12} \end{bmatrix} \tag{20}$$

3

$$x^3 + x^2 - 69x - 189 \tag{21}$$

$$x^3 + 19x^2 + 119x + 245 \tag{22}$$

$$x^3 - 4x^2 - 52x - 80 \tag{23}$$

$$x^3 + 11x^2 + 23x - 35 \tag{24}$$

$$x^3 - 4x^2 - 39x - 54 \tag{25}$$

$$x^3 - 17x^2 + 82x - 120 \tag{26}$$

$$x^3 - 8x^2 - 49x + 392 \tag{27}$$

$$x^3 + 6x^2 - 27x - 140 \tag{28}$$

$$x^3 + 14x^2 + 63x + 90 \tag{29}$$

$$x^3 - 8x^2 + 11x + 20 \tag{30}$$