1

$$-\frac{10\cos\left(x\right)}{\cos^{2}\left(\sin\left(x\right)\right)} \tag{1}$$

$$-9e^{x-1}x\tan\left(e^{x}\right)\sec\left(e^{x}\right) \tag{2}$$

$$\frac{3\sin\left(x\right)}{\cos^{4}\left(x\right)} \tag{3}$$

$$-\frac{10}{\left(10\cot\left(x\right)+9\right)^{2}\sin^{2}\left(x\right)} \tag{4}$$

$$-\frac{\sin\left(\ln\left(x\right)\right)\cos\left(\cos\left(\ln\left(x\right)\right)\right)}{x} \tag{5}$$

$$-\frac{5\tan^{6}\left(x\right)}{\sin^{2}\left(x\right)\sin^{2}\left(\tan^{5}\left(x\right)\right)} \tag{6}$$

$$-\frac{8\sin\left(\tan\left(x\right)\right)}{\cos^{2}\left(x\right)} \tag{7}$$

$$\cos\left(x\right) \tag{8}$$

$$-e^{\csc\left(x\right)-1}\sin\left(e^{\csc\left(x\right)}\right)\csc\left(x\right) \tag{9}$$

$$-\frac{\left(\cot^{2}\left(\sec\left(\ln\left(x\right)\right)\right)+1\right)\tan\left(\ln\left(x\right)\right)\sec\left(\ln\left(x\right)\right)}{x} \tag{10}$$

$$\frac{\cot\left(\frac{1}{x}\right)}{x^{2}} \tag{11}$$

$$-e^{x-1}x\sin\left(\sin\left(e^{x}\right)\right)\cos\left(e^{x}\right) \tag{12}$$

$$-6\cos\left(x\right)\cos^{6}\left(\sin\left(x\right)\right)\tan\left(\sin\left(x\right)\right) \tag{13}$$

$$-e^{\ln\left(x\right)-1}\ln\left(x\right)\sin\left(e^{\ln\left(x\right)}\right) \tag{14}$$

$$e^{\tan\left(x\right)-1}\tan\left(e^{\tan\left(x\right)}\right)\tan\left(x\right)\sec\left(e^{\tan\left(x\right)}\right) \tag{15}$$

$$-\frac{\tan\left(\ln\left(x\right)\right)}{x} \tag{16}$$

$$\frac{1}{x\cos^{2}\left(\ln\left(x\right)\right)\cos^{2}\left(\tan\left(\ln\left(x\right)\right)\right)} \tag{17}$$

$$\frac{1}{\sin\left(\tan\left(x\right)\right)\cos^{2}\left(x\right)\cos\left(\tan\left(x\right)\right)} \tag{18}$$

$$4\sin\left(\csc\left(x\right)\right)\cot\left(x\right)\csc\left(x\right) \tag{19}$$

$$\frac{9\sin\left(\frac{1}{x}\right)}{x^{2}} \tag{20}$$

2

$$\begin{bmatrix} -\frac{1}{3} & 1 & 0 \\ -\frac{11}{12} & \frac{9}{4} & \frac{1}{4} \\ \frac{29}{36} & -\frac{9}{4} & -\frac{1}{4} \end{bmatrix} \tag{21}$$

$$\begin{bmatrix} \frac{17}{54} & \frac{1}{6} & -\frac{1}{9} \\ -\frac{5}{36} & 0 & \frac{1}{6} \\ -\frac{4}{27} & -\frac{1}{6} & \frac{1}{9} \end{bmatrix} \tag{22}$$

$$\begin{bmatrix} -\frac{1}{13} & -\frac{1}{13} & 0 \\ -\frac{8}{13} & -\frac{8}{13} & -1 \\ -\frac{59}{78} & -\frac{12}{13} & -\frac{4}{3} \end{bmatrix} \tag{23}$$

$$\begin{bmatrix} \frac{5}{342} & -\frac{1}{19} & \frac{11}{171} \\ \frac{37}{342} & \frac{4}{19} & \frac{13}{171} \\ -\frac{1}{9} & 0 & \frac{1}{9} \end{bmatrix} \tag{24}$$

$$\begin{bmatrix} -\frac{11}{225} & -\frac{4}{25} & -\frac{4}{45} \\ \frac{7}{45} & \frac{1}{10} & \frac{1}{18} \\ -\frac{1}{9} & 0 & -\frac{1}{9} \end{bmatrix} \tag{25}$$

$$\begin{bmatrix} \frac{4}{29} & -\frac{7}{58} & -\frac{7}{58} \\ -\frac{1}{29} & \frac{9}{58} & \frac{9}{58} \\ \frac{1}{29} & \frac{1}{87} & -\frac{28}{87} \end{bmatrix} \tag{26}$$

$$\begin{bmatrix} -\frac{5}{94} & \frac{14}{47} & \frac{27}{94} \\ -\frac{18}{47} & \frac{35}{47} & \frac{22}{47} \\ -\frac{10}{47} & \frac{9}{47} & \frac{7}{47} \end{bmatrix} \tag{27}$$

$$\begin{bmatrix} -\frac{11}{31} & \frac{29}{62} & -\frac{5}{62} \\ \frac{7}{31} & -\frac{5}{31} & \frac{3}{31} \\ -\frac{8}{31} & \frac{45}{124} & -\frac{27}{124} \end{bmatrix} \tag{28}$$

$$\begin{bmatrix} \frac{3}{67} & \frac{22}{67} & -\frac{27}{67} \\ \frac{5}{134} & -\frac{4}{67} & \frac{11}{67} \\ \frac{23}{268} & -\frac{5}{134} & -\frac{3}{134} \end{bmatrix} \tag{29}$$

$$\begin{bmatrix} \frac{35}{82} & \frac{8}{41} & -\frac{29}{82} \\ \frac{63}{41} & \frac{37}{41} & -\frac{44}{41} \\ \frac{27}{82} & \frac{5}{41} & -\frac{13}{82} \end{bmatrix} \tag{30}$$