

# 1

$$8e^{\ln(x)-1}\ln(x) \quad (1)$$

$$\frac{9}{\cos^2(x)\cos^2(\tan(x))} \quad (2)$$

$$e^{x-1}(x\ln(e)+1) \quad (3)$$

$$e^{\sin(\cos(x))-1}\sin(\cos(x)) \quad (4)$$

$$-\frac{1}{\tan(x)} \quad (5)$$

$$-\frac{\cos(x)}{\sin^2(x)\cos^2\left(\frac{1}{\sin(x)}\right)} \quad (6)$$

$$-7e^{\tan(x)-1}\tan(x) \quad (7)$$

$$e^{\tan(4x-5)-1}\tan(4x-5) \quad (8)$$

$$\frac{\cos(\tan(\tan(x)))}{\cos^2(x)\cos^2(\tan(x))} \quad (9)$$

$$20\sin(x) \quad (10)$$

$$9\cos(9x-6) \quad (11)$$

$$-\frac{\sin\left(\frac{1}{x}\right)\sin\left(\cos\left(\frac{1}{x}\right)\right)}{x^2} \quad (12)$$

$$\frac{2\cos(\ln(3-2x))}{2x-3} \quad (13)$$

$$-\frac{1}{x\ln(x)^2\cos^2\left(\frac{1}{\ln(x)}\right)} \quad (14)$$

$$-e^{x-1}x\sin(e^x)\cos(\cos(e^x)) \quad (15)$$

$$-(\cot^2(\sin(\sec(x)))+1)\cos(\sec(x))\tan(x)\sec(x) \quad (16)$$

$$\frac{\cos(\ln(x))\tan(\sin(\ln(x)))\sec(\sin(\ln(x)))}{x} \quad (17)$$

$$\frac{x}{e\ln(e^x)} \quad (18)$$

$$\frac{3}{\tan(3x-8)} \quad (19)$$

$$-\frac{4\sin(\tan(4x-4))}{\cos^2(4x-4)} \quad (20)$$