Evaluate the following partial derivatives:

(1) $\dfrac{\partial f}{\partial x}$ *where* $f(x,y)=\sqrt{x}+x^{1}y-x^{5}y^{1}+x^{4}$

(2) $\dfrac{\partial f}{\partial y}$ *where* $f(x,y)=\sqrt{x}+x^{1}y-x^{5}y^{1}+x^{4}$

(3) $\dfrac{\partial f}{\partial y}$ *where* $f(x,y)=y^{3}\cos(x-1)$

(4) $\dfrac{\partial f}{\partial x}$ *where* $f(x,y)=2x^{3}y\ +y^{2}-\dfrac{x}{y}+\ln(\dfrac{1}{x^{2}})$

(5) $\dfrac{\partial f}{\partial y}$ *where* $f(x,y)=2x^{3}y\ +y^{2}-\dfrac{x}{y}+\ln(\dfrac{1}{x^{2}})$

(6) $\frac{\partial f}{\partial x}$ *where* $f(x,y) = y^3 \cos(x-1)$

(7) $\frac{\partial f}{\partial x}$ *where* $f(x,y) = e^{3x} \cos(y) - \ln(xy)$

(8) $\frac{\partial f}{\partial x}$ *where* $f(x,y) = x^2 y + y^2 - \frac{y}{x} + \ln(x^2)$

(9) $\frac{\partial f}{\partial y}$ *where* $f(x,y) = x^2 y + y^2 - \frac{y}{x} + \ln(x^2)$

(10) $\frac{\partial f}{\partial y}$ *where* $f(x,y) = x^3 \cos(y) + 3$

(11) $\frac{\partial f}{\partial x}$ *where* $f(x,y) = x^3\cos(y) + 3$

(12) $\frac{\partial f}{\partial y}$ *where* $f(x,y) = e^{3x}\cos(y) - \ln(xy)$

(13) $\frac{\partial f}{\partial y}$ *where* $f(x,y) = e^{xy} + x^2 - yx^4 + 4$

(14) $\frac{\partial f}{\partial x}$ *where* $f(x,y) = e^{xy} + x^2 - yx^4 + 4$

(15) $\frac{\partial f}{\partial x}$ *where* $f(x,y) = x^2\sin(3y)$

(16) $\dfrac{\partial f}{\partial y}$ *where* $f(x,y) = x^2 \sin(3y)$