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$$[16] \quad f(x, y) = \frac{x}{y^2} \sin(2x+y)$$

の  $f_{xy}$  と  $f_{yx}$  を求めよ.

$$(答) \quad f_{xy} = f_{yx} = \frac{1}{y^3} \left\{ (y-4x) \cos(2x+y) - 2(1+xy) \sin(2x+y) \right\}$$

