

Find the first partial derivatives of  $f(x, y) = \frac{2x - 2y}{2x + 2y}$  at the point  $(x, y) = (1, 4)$ .

$$\frac{\partial f}{\partial x}(1, 4) = \boxed{\phantom{000}}$$

$$\frac{\partial f}{\partial y}(1, 4) = \boxed{\phantom{000}}$$

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$$\frac{\partial f}{\partial x}(1, 4) = \boxed{8/25}$$

$$\frac{\partial f}{\partial y}(1, 4) = \boxed{-2/25}$$