[10.8]
$$\{X = \chi \}$$

$$\{Y = \chi + y\}$$

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$$\begin{cases} X = \chi$$

So,
$$\frac{\partial \overline{x}}{\partial x} = \frac{\partial \overline{x}}{\partial x} \frac{\partial x}{\partial x} + \frac{\partial \overline{x}}{\partial y} \frac{\partial y}{\partial x} = \frac{\partial \overline{x}}{\partial x} - \frac{\partial \overline{x}}{\partial y} \Rightarrow \left[\frac{\partial \overline{x}}{\partial x} - \frac{\partial \overline{x}}{\partial y} \right]$$

$$\frac{\partial \overline{x}}{\partial y} = \frac{\partial \overline{x}}{\partial x} \frac{\partial x}{\partial y} + \frac{\partial \overline{x}}{\partial y} \frac{\partial y}{\partial y} = 0 + \frac{\partial \overline{x}}{\partial y} \Rightarrow \left[\frac{\partial \overline{x}}{\partial y} - \frac{\partial \overline{x}}{\partial y} \right]$$