

$$= \frac{\frac{3x-y}{y} + 1}{\frac{3x+y}{y} - 1} + \frac{3 - \frac{y}{x}}{\frac{3x}{y} - 1} =$$

$$= \frac{\frac{3x-y+y}{y}}{\frac{3x+y-y}{y}} + \frac{\frac{3x-y}{x}}{\frac{3x-y}{y}} =$$

$$= \frac{\cancel{3x}}{y} \cdot \frac{\cancel{y}}{\cancel{3x}} + \frac{\cancel{3x-y}}{x} \cdot \frac{y}{\cancel{3x-y}} = \frac{y}{x}$$