Physics 1A

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$\lim_{(x,y)\to(\pi,0)} \frac{\cos x}{\sin y}$
$\frac{\Delta V}{V} = \frac{2\Delta r}{r} \frac{\Delta h}{h}$

I'm pretty sure the question means you increase y at the given point P. So if $P = (x_0, y_0)$, we're looking at what happens at $(x_0, y_0 + \Delta y)$

$$\begin{bmatrix} 1 & 2 \\ 1 & 1 \end{bmatrix}$$