Find the midroint of the line y = 2x on the interval - 2 < x < 2

$$y = mx + b \rightarrow y = 2x + 0 \qquad m = 2$$
 $y = int = 0$ 

@ Solve Inequality eases to Get Points

@ Find MidPoint Between (-2, -4) and (2, 4)

$$m_{P}\left(\frac{x_{1}+x_{2}}{2},\frac{y_{1}+y_{2}}{2}\right) \Rightarrow \left(\frac{-2+2}{2},\frac{-4+4}{2}\right) \Rightarrow \left(\frac{0}{2},\frac{0}{2}\right) = (0,0)[m_{P}](0,0)$$