## QUESTION:

What is the slope of this perpendicular line?
$5 x+3 y=1$
SOLUTION:

Let's solve this equation for y :
$5 x+3 y=1$
$3 y=-5 x+1$
$y=-\frac{5}{3} x+\frac{1}{3}$

So, the slope of this line is $m_{1}=-\frac{5}{3}$. The slope $m_{2}$ of line, perpendicular to this can be found from equation:
$m_{1} m_{2}=-1$,
hence
$\mathrm{m}_{2}=\frac{3}{5}$

ANSWER: $\frac{3}{5}$

