

## mobius

## Slope - Find Perpendicular - Slope Y Intercept Form to Slope Zero Intercept



What line equation would have a slope that is PERPENDICULAR to the slope of this line equation?

$$y = -4x + 4$$

$$egin{aligned} egin{aligned} x = -rac{1}{4}x y = rac{1}{4}x y = -rac{4}{2}x y = 4x \end{aligned}$$

What line equation would have a slope that is PERPENDICULAR to the slope of this line equation?

$$y=rac{1}{2}x+2$$

$$\overset{ ext{ iny A}}{y}=-rac{2}{2}x\overset{ ext{ iny B}}{y}=-2x$$

y=2x|y=0

What line equation would have a 3 slope that is PERPENDICULAR to the slope of this line equation?

$$y = 5x + 3$$

y -	$\mathbf{j}x$	<b>+ 3</b>

What line equation would have a 4 slope that is PERPENDICULAR to the slope of this line equation?

$$y = 4x + 1$$

Α	$y=\frac{5}{2}x$	В	y = -5x	Α	$y=\frac{4}{2}x$	В	$y=-rac{1}{4}x$
С	$y=-\frac{1}{5}x$	D	$y=\frac{1}{5}x$	С	$y=\frac{1}{4}x$	D	y = -4x

What line equation would have a 5 slope that is PERPENDICULAR to the slope of this line equation?

$$y = -1x + 3$$

A 
$$y=1x$$
 B  $y=rac{1}{2}x$ 

What line equation would have a 6 slope that is PERPENDICULAR to the slope of this line equation?

$$y=-\frac{1}{2}x+2.5$$

Α	y=1x	$B$ $y=rac{1}{2}x$	Α	$y=rac{2}{2}x$	В	y = -2x	
С	y = -1x		С	y = 2x	D	$y=\frac{1}{2}x$	

What line equation 7 would have a slope that is PERPENDICULAR to the slope of this line equation?

$$y=rac{1}{3}x+3$$

$$\overset{\scriptscriptstyle\mathsf{A}}{y} = -3x \overset{\scriptscriptstyle\mathsf{B}}{y} = -rac{3}{2}x$$

$$\displaystyle \int_{0}^{c} y = 3x \Big|_{y=-rac{1}{3}x}^{
m p}$$

What line equation would have a slope that is PERPENDICULAR to the slope of this line equation?

$$y = -5x + 5$$

$$oxed{y} = -rac{1}{5}xoxed{y} = rac{1}{5}xoxed{y} = -rac{5}{2}xoxed{y} = 5x$$