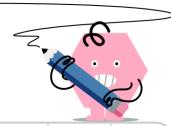


mobius

Slope - Find Perpendicular - Slope Y Intercept Form to Fraction Slope



| 1 | What slope would be |
|---|-------------------------------|
| I | PERPENDICULAR to the slope of |
| | this line equation? |

$$y = 2x + 3$$

$$\stackrel{ ext{\tiny A}}{m}=-2\stackrel{ ext{\tiny B}}{m}=rac{2}{2}\stackrel{ ext{\tiny C}}{m}=rac{1}{2}\stackrel{ ext{\tiny D}}{m}=-rac{1}{2}$$

What slope would be PERPENDICULAR to the slope of this line equation?

$$m=-rac{2}{2}m=2m=-2$$

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

$$y = -2x + 2$$

What slope would be PERPENDICULAR to the slope of this line equation?

$$y = -1x + 3$$

$$m = 2 \left| m = -rac{2}{2} \right|^{ ext{C}} = rac{1}{2} \left| m = -rac{1}{2} \right|^{ ext{M}} = -rac{1}{2} \left| m = rac{1}{2} \right|^{ ext{M}} = rac{1}{2} \left| m = -1
ight|^{ ext{M}}$$

$$m = 3 m = -3 m = -\frac{3}{2}$$

What slope would be PERPENDICULAR to the slope of this line equation?

$$m = -\frac{5}{2}m = 5m = -\frac{1}{5}$$

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

$$m=-rac{1}{3}$$

$$y=rac{1}{5}x+1$$

$$m=-rac{1}{4}m=4m=-4$$

What slope would be PERPENDICULAR to the slope of this line equation?

$$y = -\frac{1}{5}x + 3.2$$

$$y=rac{1}{4}x+1$$

$$m=-rac{4}{2}$$

$$m=5$$
 $m=rac{1}{5}$ $m=-5$ $m=rac{5}{2}$

8