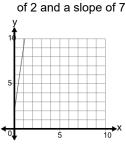


mobius

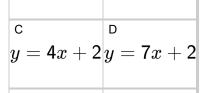
Slope of a Line - Select Linear Equation Based on Slope and Y Intercept



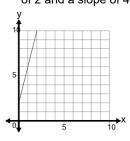
Select the equation that would result in the line shown with a y-intercept of 2 and a slope of 7



$$egin{array}{c} \mathsf{A} \ y = \mathsf{3}x + \mathsf{5} \ y = -2x - \mathsf{7} \ \end{bmatrix}^\mathsf{B}$$



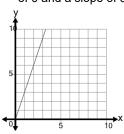
Select the equation that would result in the line shown with a y-intercept of 2 and a slope of 4



$$egin{array}{c} \mathsf{A} \ y = \mathsf{4}x + \mathsf{2} \ y = \mathsf{6}x + \mathsf{5} \end{array}$$

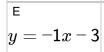
$$\begin{vmatrix} \mathbf{0} & \mathbf{1} & \mathbf{0} & \mathbf{0} \\ y & \mathbf{0} & \mathbf{0} \end{vmatrix} = \mathbf{1} x - \mathbf{1} \begin{vmatrix} \mathbf{0} & \mathbf{0} & \mathbf{0} \\ y & \mathbf{0} \end{vmatrix} = \mathbf{1} x + \mathbf{5}$$

Select the equation that would result in the line shown with a y-intercept of 0 and a slope of 3

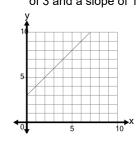


$$\stackrel{ extsf{A}}{y}=$$
 5 x – 3 $\stackrel{ extsf{B}}{y}=$ 3 x

$$\stackrel{\mathtt{c}}{y} = 0$$



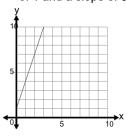
Select the equation that would result in the line shown with a y-intercept of 3 and a slope of 1



$$\overset{\mathsf{A}}{y} = 1x + \mathsf{6} \overset{\mathsf{B}}{y} = \mathsf{-3}x \, \mathsf{-1}$$

$$\begin{vmatrix} \mathbf{c} \\ \mathbf{y} = \mathbf{1}x + \mathbf{3} \end{vmatrix} \mathbf{y} = -\mathbf{4}x + \mathbf{6}$$

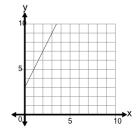
Select the equation that would result in the line shown with a y-intercept of 1 and a slope of 3



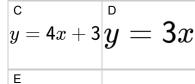
$$\begin{vmatrix} \mathbf{a} \\ y = 3x + 1 \end{vmatrix} \mathbf{y} = \mathbf{4}$$

$$egin{aligned} egin{aligned} \mathsf{c} \ y = 2x + 4 \end{aligned} y = 7x + 1 \end{aligned}$$

Select the equation that would result in the line shown with a y-intercept of 3 and a slope of 2

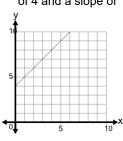


$$\begin{vmatrix} \mathsf{A} & \mathsf{B} \\ y & = 2x + 3 \end{vmatrix} = -1x + 3$$



$$y = 4x + 6$$

Select the equation that would result in the line shown with a y-intercept of 4 and a slope of 1

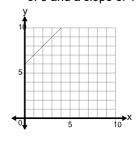


$$y=-1x+7$$
 $y=-4x-1$

$$y=2x+1$$
 $y=1x+4$

$$y=2x+7$$

Select the equation that would result in the line shown with a y-intercept of 6 and a slope of 1



$$y = 4x + 6$$
 $y = -1x + 9$

$$\stackrel{ extsf{C}}{y}=1x+6\stackrel{ extsf{D}}{y}=2x+9$$

$$y = -6x - 1$$