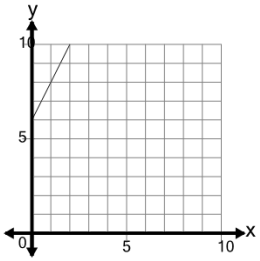
Math worksheet on *'Slope of a Line - Select Linear Equation Based on Slope and Y Intercept (Level 2)'*. Part of a broader unit on *'Line Equations and Graphing - Intro'*

Learn online: app.mobius.academy/math/units/line_equations_and_graphing_intro/

1 Select the equation that would result in the line shown with a y-intercept of 6 and a slope of 2



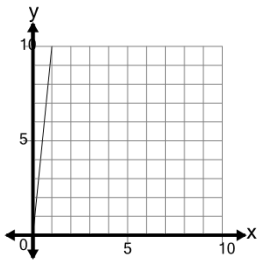
a $y = 5x + 9$

b $y = -6x - 2$

c $y = 2x + 6$

d $y = -2x + 6$

2 Select the equation that would result in the line shown with a y-intercept of 0 and a slope of 10



a $y = 10x$

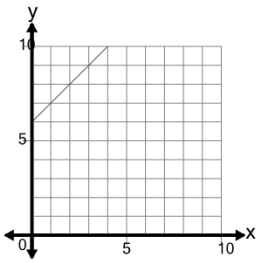
b $y = 13x + 3$

c $y = 10x - 3$

d $y = 13x - 3$

e $y = 7x + 3$

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



a $y = -6x - 1$

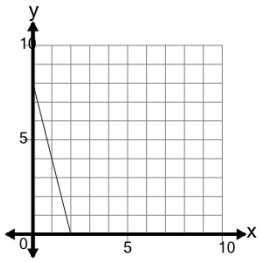
b $y = 4x + 6$

c $y = 2x + 9$

d $y = 1x + 6$

e $y = -1x + 9$

4 Select the equation that would result in the line shown with a y-intercept of 8 and a slope of -4



a $y = -6x + 5$

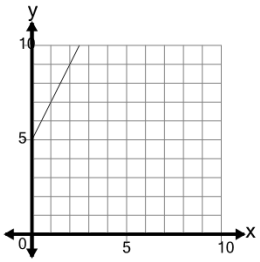
b $y = -4x + 8$

c $y = -8x + 11$

d $y = -8x + 4$

e $y = -2x + 5$

5 Select the equation that would result in the line shown with a y-intercept of 5 and a slope of 2



a $y = -1x + 8$

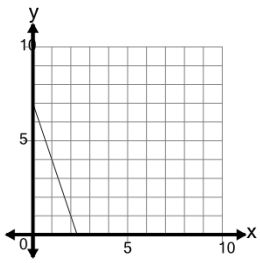
b $y = 8$

c $y = 4x + 8$

d $y = 2x + 5$

e $y = -2x + 5$

6 Select the equation that would result in the line shown with a y-intercept of 7 and a slope of -3



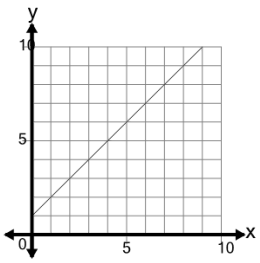
a $y = -2x + 7$

b $y = -6x + 10$

c $y = -3x + 7$

d $y = -7x + 7$

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



a $y = 2x + 1$

b $y = -1x - 1$

c $y = -4x + 4$

d $y = 1x + 1$