

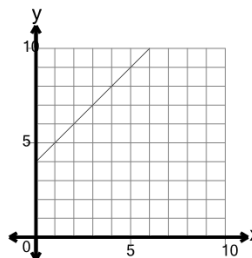


Math worksheet on 'Slope of a Line - Select Linear Equation Based on Slope and Y Intercept (Level 1)'.
Part of a broader unit on 'Line Equations and Graphing - Practice'

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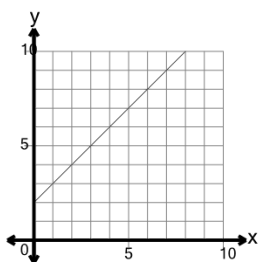
app.mobius.academy/math/units/line_equations_and_graphing_practice/

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



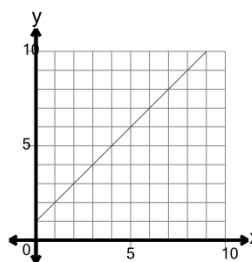
- | | |
|---------------------------|---------------------------|
| a
$y = -1x + 1$ | b
$y = 5x + 4$ |
| c
$y = 2x + 7$ | d
$y = -4x - 1$ |
| e
$y = -3x + 7$ | f
$y = 1x + 4$ |

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



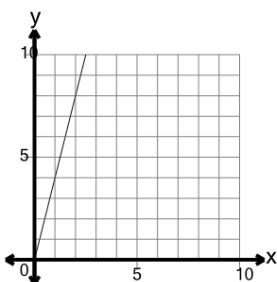
- | | |
|--------------------------|---------------------------|
| a
$y = 3x + 5$ | b
$y = -3x - 1$ |
| c
$y = 1x + 2$ | d
$y = 2$ |
| e
$y = 5x + 2$ | f
$y = -2x - 1$ |

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



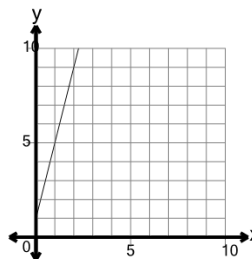
- | | |
|---------------------------|---------------------------|
| a
$y = 1x + 1$ | b
$y = 4$ |
| c
$y = -2x - 2$ | d
$y = 1x + 4$ |
| e
$y = 4x - 2$ | f
$y = -2x + 4$ |

4 Select the equation that would result in the line shown with a y-intercept of 0 and a slope of 4



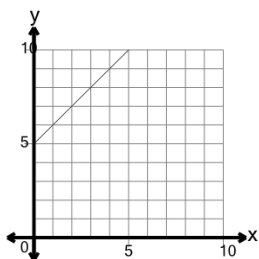
- | |
|--------------------------------------|
| a
$y = -4x$ |
| b
$y = -3.999963143151997$ |
| c
$y = 4x$ |
| d
$y = 6x$ |
| e
$y = 6x - 3$ |
| f
$y = 5x$ |

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



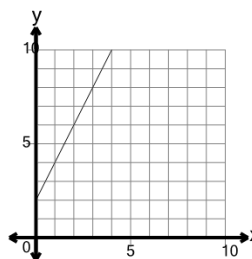
- | | |
|---------------------------|--------------------------|
| a
$y = 6x + 1$ | b
$y = 5x + 1$ |
| c
$y = -1x - 4$ | d
$y = 2x + 4$ |
| e
$y = 4x + 1$ | f
$y = -2$ |

6 Select the equation that would result in the line shown with a y-intercept of 5 and a slope of 1



- | | |
|---------------------------|--------------------------|
| a
$y = 2x + 2$ | b
$y = 4x + 8$ |
| c
$y = -5x - 1$ | d
$y = 1x + 5$ |
| e
$y = -2x + 2$ | f
$y = 2x + 8$ |

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



- | | |
|---------------------------|---------------------------|
| a
$y = -1$ | b
$y = 6x + 5$ |
| c
$y = -2x - 1$ | d
$y = -2x - 2$ |
| e
$y = 2x + 2$ | f
$y = -3x - 1$ |