

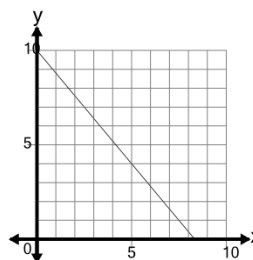


Math worksheet on 'Slope of a Line - Select Linear Equation Based on Slope and Y Intercept (Level 4)'.
Part of a broader unit on 'Line Equations and Graphing - Practice'

Learn online:

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

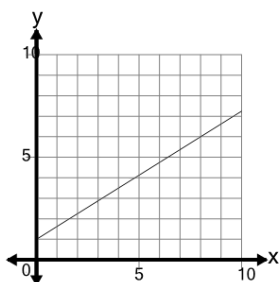
- 1** Select the equation that would result in the line shown with a y-intercept of 10 and a slope of -1.2



- | | |
|------------------------------|-------------------------------|
| a
$y = 0.8x + 8.5$ | b
$y = 0.8x + 11.5$ |
| c
$y = -1.2x + 10$ | d
$y = 0.8x + 10$ |
| e
$y = -10x + 1.2$ | |

2

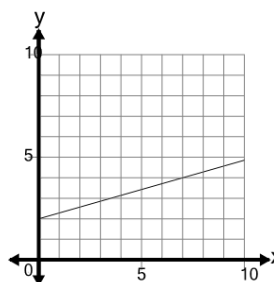
- Select the equation that would result in the line shown with a y-intercept of 1 and a slope of 0.63



- | |
|--------------------------------|
| a
$y = -1.87x - 0.5$ |
| b
$y = -1x - 0.63$ |
| c
$y = -1.87x + 1$ |
| d
$y = 0.63x + 1$ |
| e
$y = 1.13x + 1$ |

3

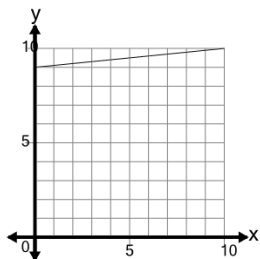
- Select the equation that would result in the line shown with a y-intercept of 2 and a slope of 0.29



- | |
|--------------------------------|
| a
$y = 2.29x + 2$ |
| b
$y = -1.21x + 2$ |
| c
$y = 0.29x + 2$ |
| d
$y = -0.71x + 3.5$ |
| e
$y = -0.21x + 0.5$ |

4

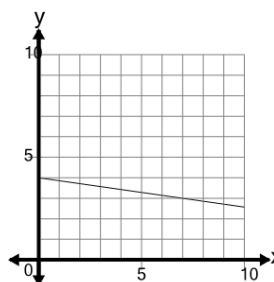
- Select the equation that would result in the line shown with a y-intercept of 9 and a slope of 0.1



- | | |
|-------------------------------|----------------------------|
| a
$y = -1.9x + 9$ | b
$y = 0.1x + 9$ |
| c
$y = -0.9x + 7.5$ | d
$y = 1.6x + 9$ |
| e
$y = -9x - 0.1$ | |

5

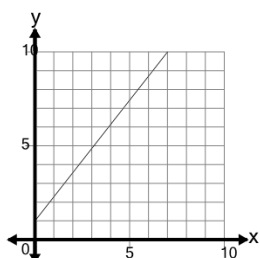
- Select the equation that would result in the line shown with a y-intercept of 4 and a slope of -0.14



- | |
|--------------------------------|
| a
$y = 0.36x + 2.5$ |
| b
$y = -0.64x + 2.5$ |
| c
$y = -0.14x + 4$ |
| d
$y = -4x + 0.14$ |
| e
$y = 0.36x + 5.5$ |

6

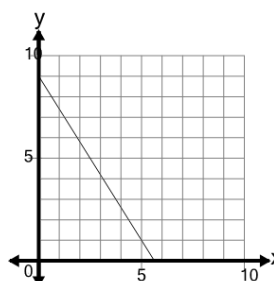
- Select the equation that would result in the line shown with a y-intercept of 1 and a slope of 1.29



- | | |
|-------------------------------|------------------------------|
| a
$y = 0.79x - 0.5$ | b
$y = -1x - 1.29$ |
| c
$y = 1.79x + 2.5$ | d
$y = 1.29x + 1$ |
| | |

7

- Select the equation that would result in the line shown with a y-intercept of 9 and a slope of -1.6



- | |
|--------------------------------|
| a
$y = -2.1x + 7.5$ |
| b
$y = -3.6x + 9$ |
| c
$y = -0.1x + 10.5$ |
| d
$y = 1.6x + 9$ |
| e
$y = -1.6x + 9$ |