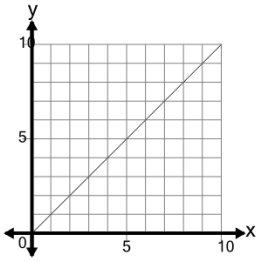
Math worksheet on *'Slope of a Line Through Origin - Select Linear Equation Based on Graph (Level 1)'*. Part of a broader unit on *'Line Equations and Graphing - Intro'*

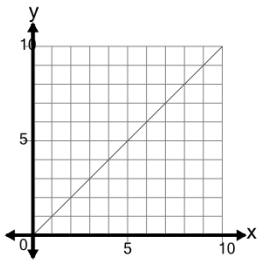
Learn online: app.mobius.academy/math/units/line_equations_and_graphing_intro/

**1** Select the equation that would result in the line on the graph as shown



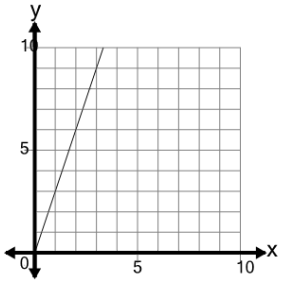
| | |
|---|---|
| **a** $y = 0$ | **b** $y = 3x + 3$ |
| **c** $y = -1$ | **d** $y = 1x$ |
| **e** $y = -1x$ | |

**2** Select the equation that would result in the line on the graph as shown



| | |
|---|---|
| **a** $y = -3$ | **b** $y = -4x - 3$ |
| **c** $y = -1$ | **d** $y = 1x$ |

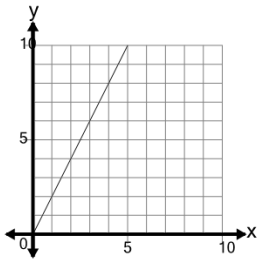
**3**



Select the equation that would result in the line on the graph as shown

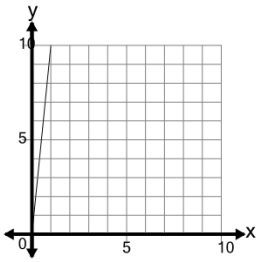
| |
|---|
| **a** $y = -3.0000138215090324$ |
| **b** $y = -1x$ |
| **c** $y = 3x - 3$ |
| **d** $y = 3x$ |

**4** Select the equation that would result in the line on the graph as shown



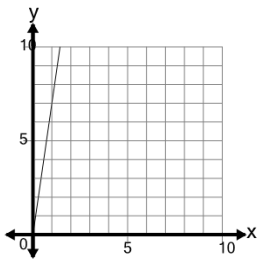
| | |
|---|---|
| **a** $y = 0$ | **b** $y = 2x$ |
| **c** $y = 5x + 3$ | **d** $y = 1x$ |
| **e** $y = 2x - 3$ | |

**5** Select the equation that would result in the line on the graph as shown



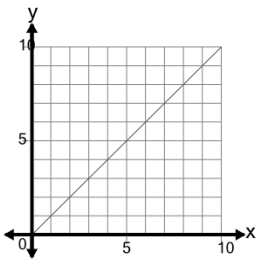
| | |
|---|---|
| **a** $y = 5x$ | **b** $y = 11x$ |
| **c** $y = 10x + 3$ | **d** $y = 10x$ |
| **e** $y = 14x - 3$ | |

**6** Select the equation that would result in the line on the graph as shown



| | |
|---|---|
| **a** $y = 7x$ | **b** $y = 7x - 3$ |
| **c** $y = 8x + 3$ | **d** $y = 8x - 3$ |
| **e** $y = 5x - 3$ | |

**7** Select the equation that would result in the line on the graph as shown



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