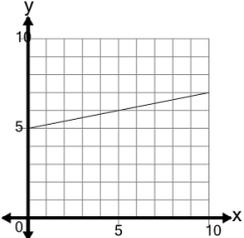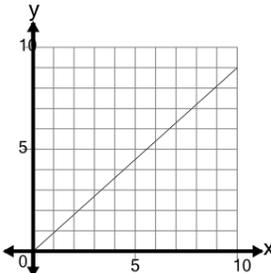# mobius

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

1 Select the equation that would result in the line shown with a y-intercept of 5 and a slope of 0.2
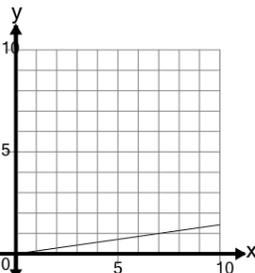

A	B
$y = 0.2x + 5$	$y = 0.7x + 3.5$

C	D
$y = -1.8x + 5$	$y = -0.8x + 5$

2 Select the equation that would result in the line shown with a y-intercept of 0 and a slope of 0.9

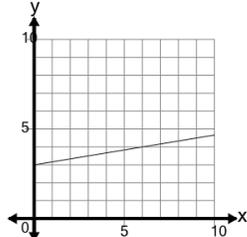| A |
|---|
| $y = -1.6x$ |

B
$y = 2.9x$

C
$y = -0.9000018428593806$

D
$y = 0.9x$

3

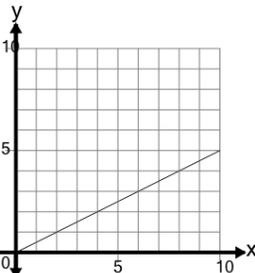Select the equation that would result in the line shown with a y-intercept of 0 and a slope of 0.14

A	$y = 0.14x$
B	$y = -1.36x - 1.5$
C	$y = 1.14x - 1.5$
D	$y = -0.1428584591852718$
E	$y = -2.36x + 1.5$

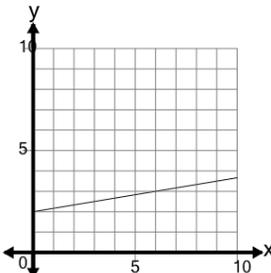**4** Select the equation that would result in the line shown with a y-intercept of 3 and a slope of 0.17

A	B
$y = 0.17x + 3$	$y = -1.83x + 3$

C	D
$y = 2.17x + 3$	$y = -3x - 0.17$

5

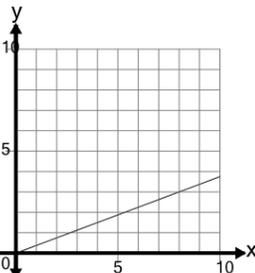Select the equation that would result in the line shown with a y-intercept of 0 and a slope of 0.5

A	$y = 2.5x - 1.5$
B	$y = 1x + 1.5$
C	$y = -0.5x - 1.5$
D	$y = -0.49999999999999994$
E	$y = 0.5x$

6

Select the equation that would result in the line shown with a y-intercept of 2 and a slope of 0.17
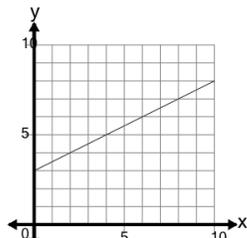
A	$y = 1.17x + 2$
B	$y = -1.33x + 2$
C	$y = -1.33x + 0.5$
D	$y = 1.67x + 2$
E	$y = 0.17x + 2$

7

Select the equation that would result in the line shown with a y-intercept of 0 and a slope of 0.38

A	$y = 0.37x$
B	$y = -0.13x$
C	$y = -0.3749984821288704$

8 Select the equation that would result in the line shown with a y-intercept of 3 and a slope of 0.5

A	B
$y = -2x + 3$	$y = 1.5x + 4.5$

C	D
$y = -3x - 0.5$	$y = 0.5x + 3$

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