

A.A.34: Write the equation of a line, given its slope and the coordinates of a point on the line.

1. 080927ia, P.I. A.A.34

What is an equation of the line that passes through the point $(3, -1)$ and has a slope of 2?

[A] $y = 2x - 1$ [B] $y = 2x - 4$

[C] $y = 2x + 5$ [D] $y = 2x - 7$

2. 060922ia, P.I. A.A.34

What is an equation of the line that passes through the point $(4, -6)$ and has a slope of -3 ?

[A] $y = -3x + 6$ [B] $y = -3x + 14$

[C] $y = -3x - 6$ [D] $y = -3x + 10$

3. 010408a, P.I. A.A.34

An equation of the line that has a slope of 3 and a y -intercept of -2 is

[A] $y = -x$ [B] $y = -2x + 3$

[C] $x = 3y - 2$ [D] $y = 3x - 2$

4. 010905a, P.I. A.A.34

Which equation represents the line whose slope is 2 and whose y -intercept is 6?

[A] $y = 6x + 2$ [B] $y = 2x + 6$

[C] $2y + 6x = 0$ [D] $y + 2x = 6$

5. 060521a, P.I. A.A.34

If point $(-1, 0)$ is on the line whose equation is $y = 2x + b$, what is the value of b ?

[A] 0 [B] 2 [C] 1 [D] 3

A.A.34: Write the equation of a line, given its slope and the coordinates of a point on the line.

[1] D

[2] A

[3] D

[4] B

[5] B