Name: _____ **Class:** _____ **Date:** _____ **ID: A**

Exit Ticket: Slope-Intercept Form

Write an equation of a line with the given slope and *y*-intercept.

1 $m = -2, b = -7$

Ⓐ $y = -2x - 7$

Ⓑ $y = -2x + 7$

Ⓒ $y = -7x - 2$

Ⓓ $y = 2x - 7$

2 $m = \frac{2}{3}, b = \frac{1}{5}$

Ⓐ $y = \frac{2}{3}x + \frac{1}{5}$

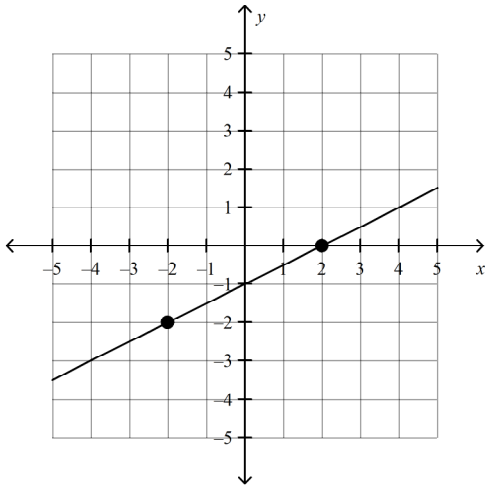
Ⓑ $y = \frac{1}{5}x + \frac{2}{3}$

Ⓒ $y = \frac{2}{3}x - \frac{1}{5}$

Ⓓ $y = \frac{3}{2}x + \frac{1}{5}$

Write the slope-intercept form of the equation for the line.

3



Ⓐ $y = -\frac{1}{2}x - 1$

Ⓑ $y = 2x - 1$

Ⓒ $y = 2x + 1$

Ⓓ $y = \frac{1}{2}x - 1$

What equation in slope intercept form represents the line that passes through the two points?

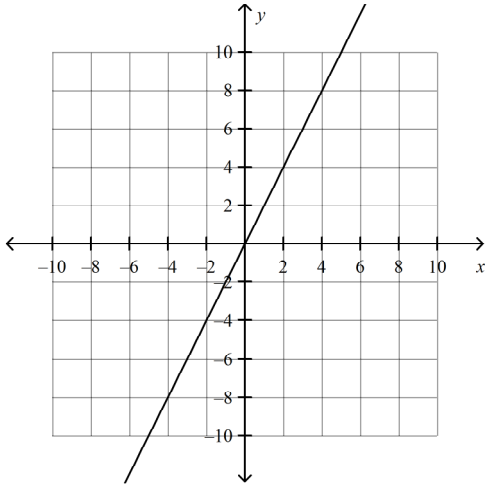
4 (3, 6), (6, –3)

5 (5, 5), (7, –1)

Graph the equation.

6 $y = 2x - 1$

Ⓐ



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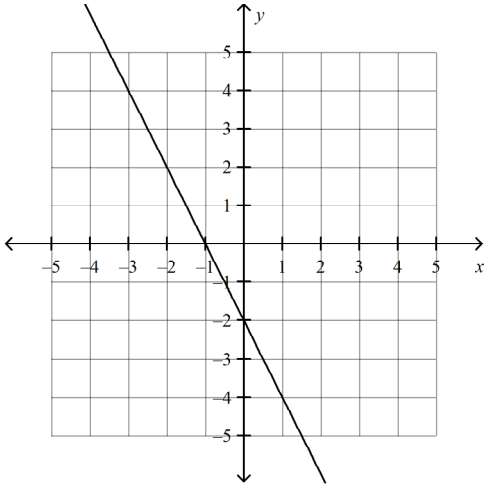

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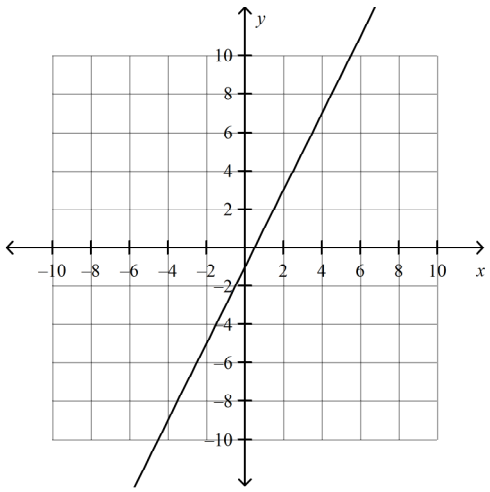

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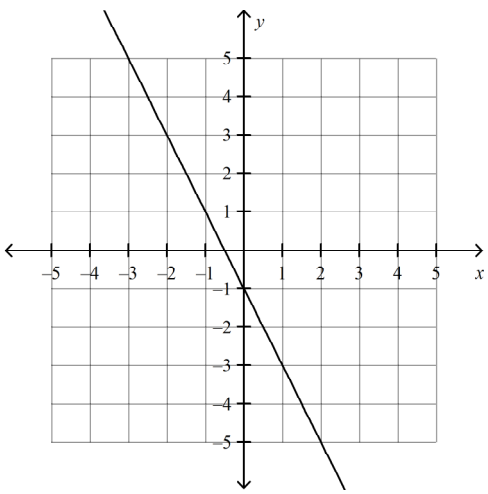
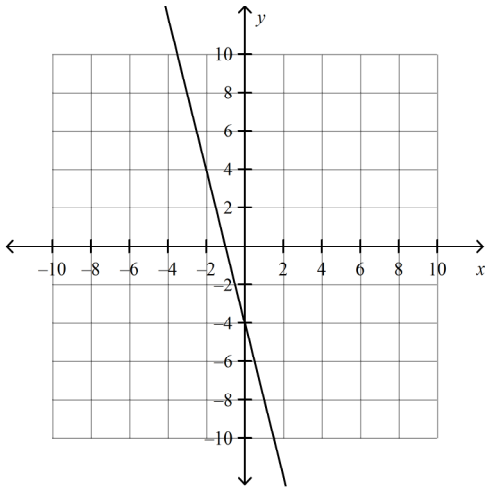


7 $y = -4x - 4$

Ⓐ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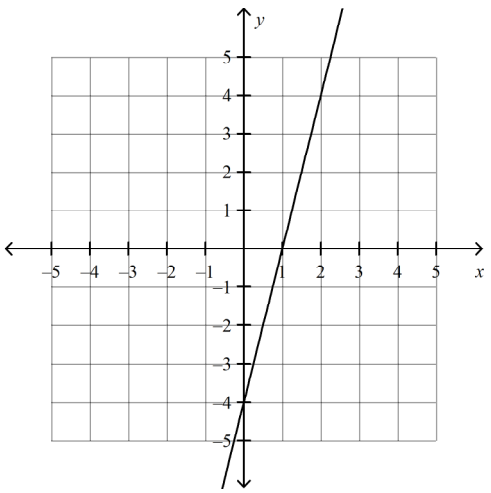
x
10
8
6
4
2
−10
−8
−6
−4
−2
2
4
6
8
10
−2
−4
−6
−8
−10

Ⓒ


y
x
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4
3
2
1
−5
−4
−3
−2
−1
1
2
3
4
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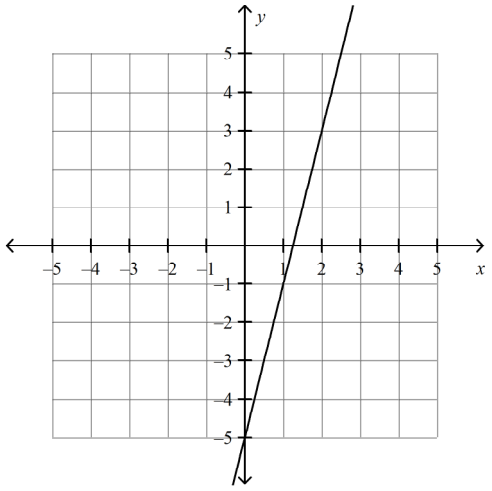
−1
−2
−3
−4
−5

Ⓑ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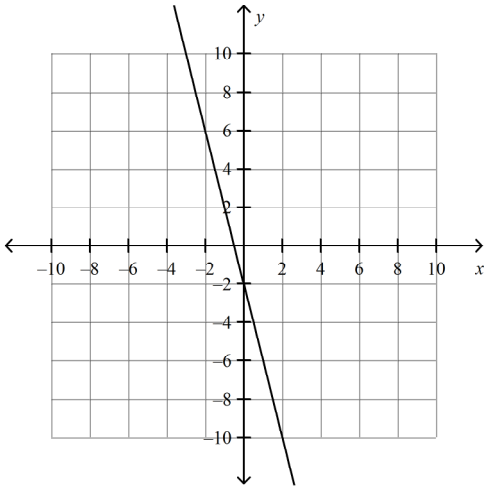
−2
−3
−4
−5

Ⓓ


y
x
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8
6
4
2
−10
−8
−6
−4
−2
2
4
6
8
10
−2
−4
−6
−8
−10

Exit Ticket: Slope-Intercept Form
Answer Section

1 A
2 A
3 D
4 $y = -3x + 15$
5 $y = -3x + 20$
6 B
7 A