

Pre-Calculus Multiple Choice Questions - Chapter A2

1 Which of the following is an equation of the line through $(-3, 4)$ with slope $1/2$?

a $y - 4 = 0.5(x + 3)$

b $y + 3 = 0.5(x - 4)$

c $y - 4 = -2(x + 3)$

d $y - 4 = 2(x + 3)$

e $y + 3 = 2(x - 4)$

	A2.1
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2 Which of the following is an equation of the vertical line through $(-2, 4)$?

a $y = 4$

b $x = 2$

c $y = -4$

d $x = 0$

e $x = -2$

	A2.1
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3 Which of the following is an equation of the line through $(-2, -1)$ parallel to the line $y = -3x + 1$?

a $y = -3x + 5$

b $y = -3x - 7$

c $y = 0.33x - 0.33$

d $y = -3x + 1$

e $y = -3x - 4$

	A2.1
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- 13 Find the slope and the y-intercept of the following equation

$$y = 3x - 4$$

- a** $m = 3, b = 4$ **b** $m = -3, b = 4$
c $m = 3, b = -4$ **d** $m = -3, b = -4$

	A2.2
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- 14 Solve the following linear equation

$$3x - 6 = 0$$

- a** $x = 3$ **b** $x = -2$
c $x = -3$ **d** $x = 2$

	A2.2
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- 15 Solve the following linear equation

$$12 = 4(x - 1)$$

- a** $x = 4$ **b** $x = 3$
c $x = -4$ **d** $x = -3$

	A2.2
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- 15 Solve the following linear equation:

$$2(x + 2) = 4(2x - 8)$$

- a** $x = 6$ **b** $x = -8$
c $x = -6$ **d** $x = 4$

	A2.2
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16 Solve the following system of linear equations

$$y = 6x - 11$$

$$-2x - 3y = -7$$

- a (-2, -1) b (2, -1)
c (-2, 1) d (2, 1)

	A2.3
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17 Solve the following system of linear equations

$$y = -2$$

$$4x - 3y = 18$$

- a (3, -2) b (2, -3)
c (-3, -2) d (2, 3)

	A2.3
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18 Solve the following system of linear equations

$$-3x - 3y = 3$$

$$y = -4x - 16$$

- a (-5, 4) b (5, 4)
c (-5, -4) d (5, -4)

	A2.3
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18 Solve the following system of linear equations

$$3x - 5y = 12$$

$$x + 2y = 4$$

- a (2, 6) b (0, 0)
c (0, 4) d (4, 0)

	A2.3
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