

Name: _____

Date: _____

AMI DAY 1 - Algebra 1 - Substitution Additional Practice Worksheet

****These problems are review from Lesson 7.3 if you need to refer back to your notes or your worksheets. There is also a video posted on Google Classroom that works two similar problems for you to reference if you need a refresher.****

Solve each system of linear equations by substitution. Identify the solution as (x, y) .

1. $-5x - 4y = 18$
 $y = 5x - 17$

2. $-3x + 3y = 3$
 $y = 4x - 17$

3. $x = -y - 5$
 $6x - y = 12$

4. $x = -2y + 15$
 $-3x + y = -3$

5. $-6x - 5y = -23$
 $y = 8x - 23$

6. $y = -4x + 1$
 $5x - 6y = 23$

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AMI DAY 2 - Algebra 1 - Write Equations Additional Practice Worksheet #1

****These problems are review from Lessons 6.1 & 6.3 if you need to refer back to your notes or your worksheets. There is also a video posted on Google Classroom that works two similar problems for you to reference if you need a refresher.****

Write an equation of the line in slope-intercept form by solving for the y-intercept.

1. through: $(1, -2)$, slope = -7

2. through: $(-5, -5)$, slope = 2

3. through: $(2, 0)$, slope = 1

4. through: $(1, -5)$, slope = -9

Write an equation of the line in slope-intercept form by calculating the slope and solving for the y-intercept.

5. through: $(-3, 0)$ and $(-2, 1)$

6. through: $(0, -4)$ and $(3, -1)$

7. through: $(4, 3)$ and $(0, 5)$

8. through: $(0, -2)$ and $(-2, 4)$

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AMI DAY 3 – Algebra 1 – Write Equations Additional Practice Worksheet #2

****These problems are review from Lesson 6.5 if you need to refer back to your notes or your worksheets. There is also a video posted on Google Classroom that works two similar problems for you to reference if you need a refresher.****

Write an equation of the line in slope-intercept form by identifying the slope and solving for the y-intercept.

1. through: $(-4, 0)$, parallel to $y = \frac{1}{4}x + 2$ 2. through: $(-3, -4)$, parallel to $y = 2x + 4$

3. through: $(-3, 0)$, parallel to $y = -x + 3$ 4. through: $(-4, -4)$, parallel to $y = \frac{1}{2}x + 4$

5. through: $(1, 4)$, perp. to $y = x - 4$ 6. through: $(-2, 3)$, perp. to $y = -\frac{1}{4}x - 1$

7. through: $(1, 5)$, perp. to $y = -\frac{1}{7}x + 5$ 8. through: $(4, 5)$, perp. to $y = -2x$

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AMI DAY 4 – Algebra 1 – Write Equations Additional Practice Worksheet #3

****These problems are review from Lesson 5.2 if you need to refer back to your notes or your worksheets. There is also a video posted on Google Classroom that works two similar problems for you to reference if you need a refresher.****

Write each of these equations in slope-intercept form.

1. $10x + 3y = -9$

2. $4x - y = 7$

3. $15 + 5y = -7x$

4. $-4y - 32 = -3x$

5. $x + 3y = 3$

6. $-3y + 21 = -8x$