Name	Period	
Sec1H	HW 1-6	
Зестп		

Creating Linear Equations (Part 2)

Write an equivalent equation for each of the following:

- 1. y = x 52. $y = \frac{1}{3}x + 9$
- 3. Jose bought hamburgers and hotdogs. A package of hamburgers cost \$7.50 and a package of hotdogs is \$4. If he spent a total of \$35, write an equation representing the possible combinations of hamburgers and hotdogs he could have purchased. (If slope-intercept form, write in 2 ways.)

- 4. Six Flags charges a fee to enter the amusement park and then \$2 per ride that you go on. If the total cost is \$39 when you ride 7 rides, write an equation representing how much it is going to cost to be at the park. (If slope-intercept form, write in 2 ways.)
- 5. How much will it cost if you want to ride 25 rides?
- 6. You have \$208 and start spending the same amount each month. After 9 months, you still have \$64. Write an equation representing how much money you have. (If slope-intercept form, write in 2 ways.)
- 7. How many months will it take for you to run out of money?

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8. Blockbuster used to charge a membership fee and then \$2.50 per movie rented. If it cost \$30.50 to rent 7 movies, write an equation to determine how much it cost. (If slope-intercept form, write in 2 ways.)

- 9. If your monthly cost was at Blockbuster was \$23, how many movies did you rent?
- 10. Rachel made 48 cookies and starts giving away the same amount to people. If she was able to give cookies to 8 people, write an equation representing the situation. (If slope-intercept form, write in 2 ways.)

11.BONUS: You have *x* nickels, *y* dimes, and *z* quarters. You have \$42 altogether. Write an equation that describes all possible amounts of coins. (The answer is NOT in the answer key.)

75	y = -16x + 208	y = 2x + 25	y = -5 + x
7.5x + 4y = 35	y = 13 + 2.5x	4	$y = 9 + \frac{1}{3}x$
y = 2.5x + 13	y = -6x + 48	13	y = 25 + 2x
y = 208 - 16x	13	y = 48 - 6x	

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