Write an equivalent equation for each of the following:

1. $y = -4x + 1$

2. $y = 3x - 5$

3. Rachel made 48 cookies and starts giving away 5 to each of her friends. Write an equation representing how many she has left. (If slope-intercept form, write in 2 ways.)

4. If Rachel has 4 friends, how many cookies will be left?

5. Lauren went to the store and bought chips and salsa. A bag of chips cost $1.25 and a jar of salsa is $2.50. If she spent a total of $15, write an equation representing the possible combinations of chips and salsa she could have purchased. (If slope-intercept form, write in 2 ways.)

6. If Lauren bought 6 bags of chips, how many jars of salsa did she buy?

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7. The state fair charges $10 to enter and then $2 per ride that you go on. Write an equation representing how much it is going to cost to be at the fair. (If slope-intercept form, write in 2 ways.)

8. If it cost $26 to be at the state fair, how many rides did you go on?

9. You have $100 and start saving $12 per month. Write an equation representing how much money you have. (If slope-intercept form, write in 2 ways.)

10. If you have $208, how many months have passed?

BONUS:

11. You won $2000! You decide to give away the same amount to each friend that you see. You have $950 left after seeing 6 friends. Write an equation to determine how much money you have left after you have seen x friends. (Hint: this problem requires more work than the other problems. The answer is NOT listed in the answer key.)

$y = 48 - 5x$	$y = 1 - 4x$	3	$y = 100 + 12x$	9
8	28	$y = -5 + 3x$	$y = -5x + 48$	$1.25x + 2.5y = 15$
$y = 2x + 10$	$y = 12x + 100$	$y = 10 + 2x$		

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