Write an equivalent equation for each of the following:

1. $y=x-5$
2. $y=\frac{1}{3} x+9$
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 slopeintercept 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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7. How many months will it take for you to run out of money?
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 | $y=-16 x+208$ | $y=2 x+25$ | $y=-5+x$ |
| :--- | :--- | :--- | :--- |
| $7.5 x+4 y=35$ | $y=13+2.5 x$ | 4 | $y=9+\frac{1}{3} x$ |
| $y=2.5 x+13$ | $y=-6 x+48$ | 13 | $y=25+2 x$ |
| $y=208-16 x$ | 13 | $y=48-6 x$ |  |

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