Simplify by combining the like terms.

Highlight the like terms in each expression, then simplify.

1. 4p – 3p 2. 5x + 6 – x 3. 4x - 8 -15x

4. -8y + 2y – 6 + 4 5. 8y + 4 + 3x-1 -2y 6. 7x- 10y + 2+ x + 3 - 6

Solve Each Equation.

1. 7 – y – y = -1 2. 72 - 14d + 4 = 36 3. 13 = 5 + 3b – 13

1. Justin Bieber called me yesterday to help him with some math. He solved the equation

6p – 2 – 3p = 16 like this. What should I tell him so he gets the correct solution?

2. Taylor Swift is taking an online algebra class. She submitted this work to her professor. Is she correct? If not, tell her how she can correct her mistake.

17 = x – 3 -3x

3. Johnny Depp was at home mathin’ last weekend with some of his friends.

He solved the equation. 9x – 6 – 6x = 6. Here is his work. Is he correct? If yes, how do you know the answer is correct? If it is not correct what is the right answer and explain his mistake.

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| 1. You have a part-time job. You work for 3 hours on Friday and 6 hours on Saturday. You also receive an allowance of $20 per week. You earn $92.00 per week. How much do you earn at your part time job? |
| 2. A family buys airline tickets online. Each ticket costs $167.00. The family buys travel insurance with each ticket the costs $19 per ticket. The web site charges a fee $16 for the entire purchase. The family is charged a total of $1132.00. How many tickets did the family buy? |
| 3. Laran, Ahmed and Omar go bowling. The cost per person per game is $5.30. The cost to rent shoes is $2.50 per person. The total is $55.20. How many games did they play? |
| 4. Ghassan is moving to college. He rents a moving truck for $19.95 plus $.99 per mile. Before returning the truck. Ghassan filled the tank with gasoline which costs $66.32. The total cost $144.67. How many miles did Ghassan drive the truck? |
| 5. Sara and Anisi play online video games. Sara buys 1 software package and three monthe of game play. Anisi buys 1 software package and 2 months of game play. Each software package costs $20. If their total cost is $115 what is the cost of one month of gameplay. |
| 6. Mrs. Bridges is building a rectangular pen for her new goat. She has a total of 50 feet of fencing. The side of the pen against her house does not need a fence. The side of the pen against the house is 18 feet. Find the dimensions of the kennel. |
| 7. Adam and Ali are renting an apartment. They pay the landlord the first month’s rent. The landlord also requires them to pay an additional half month’s rent for a security deposit. The total they pay the landlord before moving in is $2325.00. How much is their monthly rent? |

Create your own story problem. You may use one of the problems above as a model. Please make sure your equation is correct and it can be solved. Your story should be in complete sentences.