Problem / Equation Worksheet

1. For a fixed sum of money I can purchase 12 chocolate bars or I can purchase 8 chocolate bars and still have $1.20 left over. How much does a chocolate bar cost?

2. Solve the equation $5x = 3x + 4$

3. I think of a number, multiply it by 4 and add on 12. I get the same result if I had taken the original number and multiplied it by 7 and subtracted 3. What was the number I first thought of?

4. Solve the equation $2x + 3 = 7x - 12$

5. Sam earned $140 doing yard work after school. His sister Kim earned $60 babysitting. When their grandmother gave them each an equal amount of money for new school clothes, Sam had twice as much money as Kim. How much money did their grandmother give each of them?

6. Solve the equation $5 - 2x = 5x + 7$

7. Pete and Sheila both have the same amount of pocket money. They usually spend it by going to the movies or they put it in savings.
Pete goes to see 3 movies and puts $18 in savings while Sheila goes to 5 movies and saves $10.
How much does it cost to go to the movies?
How much pocket money do they each have?

8. Solve the equation $9x + 3 = 4x - 2$

9. Jose had twice as much money as Ted. But after Jose sent $50 and Ted spent $20, they each had the same amount of money. How much money did each have at first?

10. Solve the equation $4x + 7 = x - 2$

11. Mimi had $55 and Jackie had $80. How much money must Jackie give Mimi so the girls have the same amount of money?

12. Solve the equation $3x + 5 + 4x - 2 = 6x - 1 - 2x + 7$

13. Mike and Tom were trading baseball cards. Mike had 40 more cards than Tom. After Tom gave Mike 12 cards, Mike had twice as many cards as Tom. How many cards did they have altogether?

14. Solve the equation $x + 2x + 3x + 4x + 5 + 2 = 6x - 4 - 2x + 1$