8th grade 2.2 Review   Name: _____Per. _____

1. $4x + 7 = 3x + 18$

2. $5y - 5 = 7y - 3$

3. $4a - 6 = -2a + 14$

4. $4m - 5 = 3m + 7$

5. $5x - 7 = 3x + 2$

6. $10y + 10 = 4 - 4y$

7. $-6x - 26 = -9x + 28$

8. $5x + 32 = 8 - x$

9. $4x - 53 = x + 25$

10. $28 + 2a = 5a + 7$

11. $0.3w - 4 = 0.8 - 0.2w$

12. $2.1z = 1.2z - 9$

13. $12 + 2.1w = 1.3w$

14. $4.5 - 1.9m = 20.1 - 2m$

15. $\frac{1}{4}y = \frac{2}{5}y - 1$

16. $\frac{a}{2} - \frac{1}{3} = \frac{a}{3} - \frac{1}{2}$

17. $2x - 9 + 6x = 9 - 15x$

18. $-14y - 6 - 2y = -8y - 9$

Write an equation and solve.

19. The sum of 3x and 14 equals the difference of 20 and 2x.

20. The product of a number x and -6 is equal to the sum of the same number x and 21