Homework: 2.2 Solving Two-Step Equations Algebra 1 Kitt

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period:\_\_\_\_\_

Directions: Solve each equation. Show your work.

1. $1+\frac{x}{6}=4$ 2. $4x-22=6$ 3. $8x+48=112$ 4. $2x-2=12$

5. $3x+27=66$ 6. $\frac{x}{4}-3=8$ 7. $6+2x=18$ 8. $8x+49=169$

9. $\frac{x}{3}+4=9$ 10. $\frac{29-r}{8}=11$ 11. $\frac{10+h}{2}=24$ 12. $\frac{b-14}{-10}=20$

13. $29+\frac{4}{7}n=21$ 14. $\frac{7}{8}n-16=9$ 15. $-20+20c=10$ 16. $4x-36=4$

17. What is the 4th general step for solving equations?

18. What is the 5th general step for solving equations?

19. Circle the mistake in the following work sample. Correct the mistake off to the side and find the solution.

 $\begin{matrix}5-2x=-17\\2x=-22\\x=-11\end{matrix}$