3.5: Solving Two-Step Equations

In Sections 3.3 and 3.4, you learned how to solve one-step problems. Without using your notes, give an example and then describe to a partner how to solve each of the four types of one-step problems.

*Review:*

Solve the equation. Check your solution.

 1.  2. 

 3.  4. 

 5.  6. 

Explain how to solve the equation .

*Lesson Examples:*

Solve the equation. Check your solution.

 1.  2. 

 3.  4. 

 5.  6. 

7. $\frac{x}{8}-\frac{1}{2}=-\frac{7}{2}$ 8. $\frac{2}{5}+4a=-\frac{6}{5}$

9. $-\frac{z}{3}+5=9$ 10. $2-\frac{n}{3}=\frac{5}{2}$

11. $7a-10a=15$ 12. 4 – 2x + 3 = -9