

Your child will also learn to solve equations with variables on both sides of the equal sign. The first goal is to get all of the variables on one side by using inverse operations. Then, the steps are the same as in the previous problems.

Solve. $6y - 5 = 3 + 4y$

$$\begin{array}{r} 6y - 5 = 3 + 4y \\ -4y \quad \quad -4y \\ \hline 2y - 5 = 3 \end{array}$$

Get all y 's on one side by subtracting $4y$ from both sides.

$$2y - 5 = 3$$

$$\begin{array}{r} 2y - 5 = 3 \\ +5 \quad +5 \\ \hline 2y = 8 \end{array}$$

Add 5 to both sides.

$$\frac{2y}{2} = \frac{8}{2}$$

Divide both sides by 2.

$$y = 4$$

It is important that your child learn to solve equations. He or she will use this skill in every math course he or she takes from this point forward. Reinforce these concepts by practicing regularly.

Sincerely,