



Solving Basic Algebra Equations

About These Problems

Algebra equations often involve solving for a variable. The easiest way to solve for a variable is to get all the variable terms on one side and the constants on the other. Then divide the constant by the coefficient of the variable to solve for it. More often than not these questions are coupled by word problems.

Question. Solve for x.

$$6x + 14x + 17 - 20 = 10x + 7$$

1. Three
2. One
3. None
4. Four
5. Two

Answer. 2: Gather all the x terms on the left side and the constants on the right side.

$$6x + 14x - 10x = 20 - 17 + 7 \rightarrow 10x = 10 \rightarrow x = 1$$