

Algebraic Equations

Write out an algebraic equation for each sentence.

- 1.) Three more than twice a number is eleven.
- 2.) Five times a number decreased by three is seven.
- 3.) Fifteen is ten increased by a number.

Complete the following algebraic equations.

- 1.) $3X + 10 = 22$
- 2.) $24 - 4X = 4$
- 3.) $5 - 2X + 17 = 18$

Complete the following word problems using an algebraic equation.

- 1.) Tanya wants to make an apple pie and has 5 apples. She needs 12 apples to finish the pie. How many more apples does she need?
- 2.) Steven wants to buy a game for \$34.00. He has saved up \$20.00. How much more money does he need to buy the game?
- 3.) Sarah is selling lemonade. She has sold a total of 14 cups. 4 cups were sold to adults and she sold 2 batches of lemonade to other children. How many cups were in each batch?