

Name: _____ Date: _____ Class: _____

HW#4 - Due 9/20/16

Solve each equation and check your solutions. Be sure explaining each step.

After taxes, Alexandra's take-home pay is $\frac{7}{10}$ of her salary before taxes. Write and solve an equation to find Alexandra's salary before taxes for the pay period that resulted in \$392 of take-home pay.

A library receives a large cash donation and uses the funds to double the number of books it owns. Then a book collector gives the library 4028 books. After this, the library has 51,514 books. How many books did the library have before the cash donation and the gift of books?