Name: _____ School: _____

Class: _____ Date: _____

Solving for Variables: Problem Solving

Answer the following questions in complete sentences. Write the expression in the space provided and show working where possible.

1. A flight has 194 seats. After n tickets are sold for this flight, 38 seats are available. Find n.

   Expression: *Rough work:*

   Answer:

2. Josh sent out invitations to 16 friends for his birthday party. x friends replied and he is waiting for the other 7 friends to reply. Find x.

   Expression: *Rough Work:*

   Answer:

3. Ashley bought 2 boxes of small toys of party favors for her daughter's birthday party. The bigger box contains t toys and the smaller box contains 12 toys. She bought a total of 28 toys. Find t.

   Expression: *Rough Work:*

   Answer:

4. Myrna used her 2 year-warranty cards for repairs to the 3 defective laptops from her order of 18 laptops. The other m laptops are working properly. Solve for m.

   Expression: *Rough Work:*

   Answer:

5. The original price of the portable speaker is $46 and the portable fan is $32. Carina paid $38 for portable speakers after getting a discount of k. Solve for k.

   Expression: *Rough Work:*

   Answer:

LIVEWORKSHEETS