Math 8   Name:_____
Sec 4.1 Solving One/Two-Step Equations

<u>**Solving an Equation:**</u>

Solving an equation means finding the set of all _____ that can be substituted for the
one_____ to produce a valid _____.

We need to think of the equation as sitting on a _____. The _____ _____ is
the balancing point.

The _____ of the variable is the solution.

*   <u>**Important Rules to Remember:**</u>
  1. Isolate the variable
  2. Maintain equality
  3. Reverse **BEDMAS** (for two-step equations)

Practice!

Solve for the variable. Please refer to the three rules above.

1) $x + 3 = -5$ 2) $7 = y - 2$

3) $4x = 12$ 4) $2x - 3 = 5$

5) $-7 = 3y + 2$ 6) $-2m + 4 = 6$

7) Devon is paid $2 an hour to babysit her little sister. She is also given a $3 bonus if it's a Saturday. Devon babysat her sister last Saturday and was paid $13. How many hours did she babysit for?

a) Write *let* statements using n represent the number of hours and E to represent earnings.

b) Write an equation for the following problem. Solve the equation.