

Name: _____ Date: _____

Solve each of the following equations for x . Remember, no calculators allowed.

1. $-3.2x = 12.8$

2. $9.8x + 2 = 3.8x + 20$

3. $7.1x - 14 = 4.3x - 8.54$

4. $3 - 2.4(x - 5) = 4(x + 1.5) - 7.64$

5. $3.2 - (x - 1.8) = 5.6 + (4.2 + x)$

For each of the following word problems, write and solve a linear equation. **Make sure you follow the “5-steps” in each problem.**

6. The difference of triple a number and six is the same as twice the number. Find the number.

7. The sum of three consecutive numbers is 246. What is the largest of the three numbers?

8. Joe's age is 5 years older than twice Cheryl's age. The difference between Joe's age and Cheryl's age is 18 years. How old is each person?

9. In a recent football game, the teams scored a combined total of 68 points. The winning team scored two points more than the losing team. How many points did each team score?
10. Guillermo recently bought some new shoes, a pair of pants and a shirt. The shoes cost twice as much as the pants, and the shirt was \$6 more than the pants. How much did Guillermo spend on each item if the total spent was \$150?