MATHEMATICS – GRADE 6 WORKSHEET

Topic: Solving Linear Equations for the Value of Variable x

Name: _____ **Date:** _____

Grade & Section: _____ **Score:** _____ / 15

Remember: To solve for x, isolate the variable on one side of the equation using inverse (opposite) operations: undo addition with subtraction, subtraction with addition, multiplication with division, and division with multiplication. Always apply the same operation to both sides.

Directions: Find the value of x in each equation. Show your step-by-step solution in your notebook and type your final answer on the blank.

1) $x + 9 = 24$ **Answer: x =** _____	**2)** $x - 14 = 18$ **Answer: x =** _____	**3)** $25 + x = 41$ **Answer: x =** _____
4) $6x = 54$ **Answer: x =** _____	**5)** $x \div 7 = 8$ **Answer: x =** _____	**6)** $9x = 108$ **Answer: x =** _____
7) $2x + 5 = 19$ **Answer: x =** _____	**8)** $3x - 4 = 20$ **Answer: x =** _____	**9)** $4x + 7 = 35$ **Answer: x =** _____
10) $5x - 9 = 31$ **Answer: x =** _____	**11)** $6x + 11 = 53$ **Answer: x =** _____	**12)** $7x - 12 = 37$ **Answer: x =** _____
13) $3(x + 4) = 27$ **Answer: x =** _____	**14)** $5x + 3 = 2x + 18$ **Answer: x =** _____	**15)** $4(x - 2) = 2x + 10$ **Answer: x =** _____

LIVEWORKSHEETS