

Week 7: Sept. 19 - Sept. 23

Date _____ Period _____

Write each number correctly in scientific notation.

1) 0.868×10^{-2}

0.08×10^2

0.0228×10^1

58.8×10^{-3}

After written correctly, find the product of the smallest value and largest value.

Solve the equation. Follow each step.

- 2) Scott was going to sell all of his stamp collection to buy a video game. After selling half of them he changed his mind and bought ten more. How many did he start with if he now has 22?

Define variable: _____

Equation: _____

Answer: _____

Simplify each expression.

3) $-5(9 - 2b) - 7$

4) $8 - 3(1 + 5r)$

5) $-3.4x + 3.5(1.3x + 0.4)$

6) $8.2(k - 5.5) + 3.2k$

Evaluate each using the values given.

7) $|z|(y + y)$; use $y = 6$, and $z = -5$

8) $z - (zy + x + y)$; use $x = 4$, $y = -3$, and $z = 2$

Solve each equation.

9) $-8(x - 5) = 88$

10) $-x + 7(-1 - 8x) = -349$