

Name: _____

Score: _____

- Today is review day about “Solving Equations”, “Mean, Median, Mode”, “Exponents”, “Fractions” and “Absolute Value”. I want you to work together. Make sure all of you learn from your partner or/and teach your friend. Do Not copy answers from others. There will be several handouts and I don’t want you to lose any of them. You will get extra credits by turning all of handouts to Mr. Kwon when he is back on Dec. 9th.
- Once you complete all of the problems in handout, please submit to Guest Teacher. Guest Teacher will grade this and give you back tomorrow.
- **If you are disrespectful to the Guest Teacher then your misbehavior will be marked to lower your grade in this semester.**

Solve the equations.

#1. $2x - 11 = -5$

#2. $\frac{x}{2} + 5 = 11$

#3. $8x - 10 = 3x + 20$

#4. $7x + 2(x + 6) = 39$

#5. What is the multiplicative inverse of $-\frac{ax}{y^2}$?

Find Mean, Median, Mode and Range for {5, 4, 7, 8, 4, 4, 3}

#6. Mean =

Median =

#7. Mode =

Range =

#8. $\frac{3}{4} - \frac{1}{6} =$

#9. Opposite of $-\frac{ax}{y^2}$ is _____

#10. What is the meaning of "Algebra"?

#11. $8a^3b \cdot 7a^2b^2 =$

#12. $(2^3)^5 =$

#13-16. Do the fraction operation and simplify the answer.

#13. $\frac{3}{4} \times \frac{12}{5} =$

#14. $\frac{1}{2} \div \frac{3}{4} =$

#15. $\frac{2}{3} + \frac{1}{5} =$

#16. $\frac{5}{6} - \frac{1}{6} =$

#17. $x^7 \cdot x^3 =$

#18. $\frac{x^7}{x^3} =$

#19. $4a^3b \cdot 5a^2b =$

#20. $x^{-5} =$

Absolute Values

#22. Solve $|x| = 7$. $x = \underline{\quad}$ or $x = \underline{\quad}$.

#23. Solve $|x - 2| = 2$. $x = \underline{\quad}$ or $x = \underline{\quad}$.

#24. Solve $|2x + 3| = 5$. $x = \underline{\quad}$ or $x = \underline{\quad}$.

#25. Solve $|x| - 10 = 15$. $x = \underline{\quad}$ or $x = \underline{\quad}$.