

Pre-Test for Algebra I

Name: _____ Date: _____

Proctored by: _____

Directions: Parents please print the test (2 pages) and proctor your child while they take the test. Have your child show all work on a separate sheet of paper. Please do not assist your child in any way, even to explain what the question means. Please sign and date all pages and return to Mrs. Beisel via US Postal Service mail as soon as possible to: Thank you.

Gaye Beisel
PO Box 8891
Coral Springs, FL 33075

1 - 3 Evaluate each expression if $x = 9$, $y = -3$, $z = 2$. Show your work.

1) $\frac{x}{12}$ 2) xy 3) $3x - 2z$

4 - 11 Simplify. Show your steps.

4) $\sqrt{81} - \sqrt{36}$ 5) $3 \cdot 12 - 10 \div 2 + 4$

6) $8 + 24 \div 4 \cdot 2$ 7) $7 - 4\frac{2}{3}$

8) $\frac{3}{4} + \frac{5}{12}$ 9) $4\frac{1}{8} \div 2\frac{3}{4}$

10) $(-60)(3) + (-2)(-5)$ 11) $\frac{-32}{8} - \frac{-16}{-4}$

12) List all the factors of 24.

13) Find the Greatest Common Factor of 12 and 18.

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14) Find the Least Common Multiple of 8 and 12.

15) Write an algebraic expression for : 17 increased by twice a number

16 – 20 Solve for the variable. Show all your steps.

16) $x + 12 = 27$

17) $-8m = 56$

18) $\frac{2}{3}n = 8$

19) $4p - 2 = 46$

20) $\frac{x}{2} - 3 = 5$