

Algebra 1

Unit 2 Pre-Test

Name _____

Date _____ Period _____

SHOW ALL WORK for problems #1-13 on scrap paper.

Solve each equation; You must show **EACH STEP** for credit!

Answer "**Identity**" or "**No Solution**" as appropriate. *Round decimals to hundredths.*

*Reduce fractions to lowest terms. **CALCULATOR PERMITTED.***

1. Solve for x : $6x = 74$

2. Solve for x : $-6x = |-54|$

3. Solve for x : $\frac{x}{12} = 5$

4. Solve for x : $7x + 5 = -16$

5. Solve for m : $\frac{1}{5}m + 7 = 2$

6. Solve for x : $\frac{2}{3}x + \frac{2}{5}x = 42$

7. Solve for n : $-6n + 3 = -3(2n + 1)$

8. Solve for z : $3 - 4z = -5 + 8z$

9. Solve for n : $4n - 2(-3 - n) = -12$

10. Solve for y : $-y - 18 = -18 - y$

11. Solve for x : $\frac{2}{3}x + 4 = \frac{3}{5}x - 2$

12. Solve $2x + 3y = 12$ for y

13. Solve for h : $V = \pi r^2 h$

Algebra Unit 8 Test Answer Key

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