



Name: _____

Date: _____

Algebra 1 – Unit 2 Review (Balanced)

Identify the property of equality (Addition or Subtraction) used to solve each equation. Show your work.

1. $x - 7 = 17$

Property:

6. If $x = 6$, find ? so $2x + 7 = 4x + ?$

Property:

2. $6(x - 9) - 8 = -68$

Property:

7. $8x = 96$

Property:

3. $\frac{x}{8} = 32$

Property:

8. $6(x + 6) - 9 = -3$

Property:

4. Find the solution to $4x + 4 = 40$

Property:

9. Rule: $3(x + 13)$, Input: 4, Output: ?

Property:

5. $8x + 21 = 4x + 81$

Property:

10. $x - 5 - 6 = 1$

Property:



Algebra 1 – Unit 2 Review (Balanced) – Answer Key

1. $x - 7 = 17$

Property: Addition Property ($x = 24$)

6. If $x = 6$, find ? so $2x + 7 = 4x + ?$

Property: Unknown Property ($x = -5$)

2. $6(x - 9) - 8 = -68$

Property: Unknown Property ($x = -1$)

7. $8x = 96$

Property: Division Property ($x = 12$)

3. $\frac{x}{8} = 32$

Property: Multiplication Property ($x = 256$)

8. $6(x + 6) - 9 = -3$

Property: Unknown Property ($x = -5$)

4. Find the solution to $4x + 4 = 40$

Property: Unknown Property ($x = 9$)

9. Rule: $3(x + 13)$, Input: 4, Output: ?

Property: Unknown Property ($x = 51$)

5. $8x + 21 = 4x + 81$

Property: Unknown Property ($x = 15$)

10. $x - 5 - 6 = 1$

Property: Unknown Property ($x = 12$)