



Name: _____

Date: _____

Algebra 1 – Equations Mastery Test

Solve each two-step equation. Show your work.

1. $2(3x + 7) = 104$

6. $6x + 48 = 5x + 86$

2. If $x = 7$, what equals $6x + 9$?

7. Find x if $x + 9 = 19$

3. Find x if $x + 10 = 18$

8. If $x = 7$, what equals $4x + 6$?

4. $4x + 15 = 3x + 63$

5. If $x = 3$, what equals $6x + 6$?



Algebra 1 – Equations Mastery Test – Answer Key

1. $2(3x + 7) = 104$

$x = 15$

6. $6x + 48 = 5x + 86$

$x = 38$

2. If $x = 7$, what equals $6x + 9$?

$x = 51$

7. Find x if $x + 9 = 19$

$x = 10$

3. Find x if $x + 10 = 18$

$x = 8$

8. If $x = 7$, what equals $4x + 6$?

$x = 34$

4. $4x + 15 = 3x + 63$

$x = 48$

5. If $x = 3$, what equals $6x + 6$?

$x = 24$