



Name: _____

Date: _____

Equations

1. If $3x + 7 = 31$, subtract what from both sides to get $3x = 24$?
2. If $x = 6$ makes $2x + 6 = 3x + ?$ true, find ?
3. If $x = 7$ makes $4x + 4 = 4x + ?$ true, find ?
4. If $2x + 12 = 18$, subtract what from both sides to get $2x = 6$?
5. If $3x + 13 = 22$, subtract what from both sides to get $3x = 9$?
6. If $x = 9$ makes $4x + 7 = 4x + ?$ true, find ?
7. If $x = 6$ makes $3x + 7 = 4x + ?$ true, find ?
8. If $5x + 5 = 25$, subtract what from both sides to get $5x = 20$?



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Equations

9. $8x + 10 = 50$

10. If $x = 7$ makes $4x + 5 = 5x + ?$ true,
find ?



Equations – Answer Key

1. If $3x + 7 = 31$, subtract what from both sides to get $3x = 24$?

x = 7

2. If $x = 6$ makes $2x + 6 = 3x + ?$ true, find ?

x = 0

3. If $x = 7$ makes $4x + 4 = 4x + ?$ true, find ?

x = 4

4. If $2x + 12 = 18$, subtract what from both sides to get $2x = 6$?

x = 12

5. If $3x + 13 = 22$, subtract what from both sides to get $3x = 9$?

x = 13

6. If $x = 9$ makes $4x + 7 = 4x + ?$ true, find ?

x = 7

7. If $x = 6$ makes $3x + 7 = 4x + ?$ true, find ?

x = 1

8. If $5x + 5 = 25$, subtract what from both sides to get $5x = 20$?

x = 5



Equations – Answer Key

9. $8x + 10 = 50$
 $x = 5$

10. If $x = 7$ makes $4x + 5 = 5x + ?$ true,
find ?

$x = -2$