



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 $5x = 20$?



Name: _____

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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 ?

$x = -2$