



Name: _____

Date: _____

Algebra 1 – Unit 2 – Equations (Challenge)

1. If $6x + 5 = 23$, subtract what from both sides to get $6x = 18$?

2. $8x + 14 = 118$

3. $3x + 17 = 26$

4. If $2x + 8 = 22$, subtract what from both sides to get $2x = 14$?

5. If $x = 11$ makes $3x + 4 = 3x + ?$ true, find ?

6. $5x + 13 = 78$

7. $6x + 5 = 23$

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



Algebra 1 – Unit 2 – Equations (Challenge) – Answer Key

1. If $6x + 5 = 23$, subtract what from both sides to get $6x = 18$?

$$x = 5$$

2. $8x + 14 = 118$

$$x = 13$$

3. $3x + 17 = 26$

$$x = 3$$

4. If $2x + 8 = 22$, subtract what from both sides to get $2x = 14$?

$$x = 8$$

5. If $x = 11$ makes $3x + 4 = 3x + ?$ true, find ?

$$x = 4$$

6. $5x + 13 = 78$

$$x = 13$$

7. $6x + 5 = 23$

$$x = 3$$

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

$$x = -4$$