

Name: _____

Date: _____

Simple Linear Equations (C)

Solve for each variable.

1. $3a + 7 = 22$

$3a = 22 - \underline{\hspace{2cm}}$

$3a = \underline{\hspace{2cm}}$

$a = \underline{\hspace{2cm}}$

2. $3b + 2 = 23$

$3b = 23 - \underline{\hspace{2cm}}$

$3b = \underline{\hspace{2cm}}$

$b = \underline{\hspace{2cm}}$

3. $2c + 9 = 17$

$2c = 17 - \underline{\hspace{2cm}}$

$2c = \underline{\hspace{2cm}}$

$c = \underline{\hspace{2cm}}$

4. $2x + 5 = 11$

$2x = 11 - \underline{\hspace{2cm}}$

$2x = \underline{\hspace{2cm}}$

$x = \underline{\hspace{2cm}}$

5. $2b + 8 = 22$

$2b = 22 - \underline{\hspace{2cm}}$

$2b = \underline{\hspace{2cm}}$

$b = \underline{\hspace{2cm}}$

6. $3a + 4 = 4$

$3a = 4 - \underline{\hspace{2cm}}$

$3a = \underline{\hspace{2cm}}$

$a = \underline{\hspace{2cm}}$

7. $3x + 1 = 28$

$3x = 28 - \underline{\hspace{2cm}}$

$3x = \underline{\hspace{2cm}}$

$x = \underline{\hspace{2cm}}$

8. $2z + 5 = 7$

$2z = 7 - \underline{\hspace{2cm}}$

$2z = \underline{\hspace{2cm}}$

$z = \underline{\hspace{2cm}}$

9. $3b + 4 = 25$

$3b = 25 - \underline{\hspace{2cm}}$

$3b = \underline{\hspace{2cm}}$

$b = \underline{\hspace{2cm}}$

10. $3b + 3 = 21$

$3b = 21 - \underline{\hspace{2cm}}$

$3b = \underline{\hspace{2cm}}$

$b = \underline{\hspace{2cm}}$

11. $3z + 1 = 25$

$3z = 25 - \underline{\hspace{2cm}}$

$3z = \underline{\hspace{2cm}}$

$z = \underline{\hspace{2cm}}$

12. $2a + 1 = 5$

$2a = 5 - \underline{\hspace{2cm}}$

$2a = \underline{\hspace{2cm}}$

$a = \underline{\hspace{2cm}}$

13. $2a + 4 = 20$

$2a = 20 - \underline{\hspace{2cm}}$

$2a = \underline{\hspace{2cm}}$

$a = \underline{\hspace{2cm}}$

14. $3x + 6 = 9$

$3x = 9 - \underline{\hspace{2cm}}$

$3x = \underline{\hspace{2cm}}$

$x = \underline{\hspace{2cm}}$

15. $2y + 10 = 16$

$2y = 16 - \underline{\hspace{2cm}}$

$2y = \underline{\hspace{2cm}}$

$y = \underline{\hspace{2cm}}$