

Simple Linear Equations

Solve for each variable.

1. $-3 + \frac{y}{5} = -12$

6. $1 + \frac{y}{-3} = 9$

11. $\frac{x}{3} + (-4) = -1$

2. $\frac{c}{-2} + (-4) = -1$

7. $\frac{a}{-8} - 3 = 2$

12. $-2 + \frac{z}{-5} = 3$

3. $\frac{z}{6} + 10 = 14$

8. $\frac{u}{3} + 8 = 6$

13. $\frac{a}{6} - (-8) = 12$

4. $-7 - \frac{u}{5} = -2$

9. $-5 - \frac{u}{6} = -14$

14. $-5 - \frac{a}{7} = -14$

5. $\frac{v}{7} - (-1) = -7$

10. $9 + \frac{u}{9} = 15$

15. $\frac{v}{3} + 9 = 0$

Simple Linear Equations Answers

Solve for each variable.

$$1. -3 + \frac{y}{5} = -12$$
$$y = -45$$

$$6. 1 + \frac{y}{-3} = 9$$
$$y = -24$$

$$11. \frac{x}{3} + (-4) = -1$$
$$x = 9$$

$$2. \frac{c}{-2} + (-4) = -1$$
$$c = -6$$

$$7. \frac{a}{-8} - 3 = 2$$
$$a = -40$$

$$12. -2 + \frac{z}{-5} = 3$$
$$z = -25$$

$$3. \frac{z}{6} + 10 = 14$$
$$z = 24$$

$$8. \frac{u}{3} + 8 = 6$$
$$u = -6$$

$$13. \frac{a}{6} - (-8) = 12$$
$$a = 24$$

$$4. -7 - \frac{u}{5} = -2$$
$$u = -25$$

$$9. -5 - \frac{u}{6} = -14$$
$$u = 54$$

$$14. -5 - \frac{a}{7} = -14$$
$$a = 63$$

$$5. \frac{v}{7} - (-1) = -7$$
$$v = -56$$

$$10. 9 + \frac{u}{9} = 15$$
$$u = 54$$

$$15. \frac{v}{3} + 9 = 0$$
$$v = -27$$