

Simple Linear Equations (H)

Solve for each variable.

1. $\frac{v}{2} - 9 = -12$

6. $\frac{a}{6} + 10 = 5$

11. $\frac{y}{-7} - (-3) = 11$

2. $6 - \frac{v}{-9} = -3$

7. $-1 - \frac{x}{2} = 2$

12. $\frac{b}{8} - 4 = 3$

3. $\frac{v}{2} + (-9) = 0$

8. $\frac{v}{4} - (-9) = 15$

13. $\frac{y}{-4} - (-1) = -8$

4. $1 - \frac{a}{5} = -3$

9. $-2 + \frac{x}{6} = 6$

14. $\frac{a}{5} - (-5) = 2$

5. $-2 + \frac{x}{6} = -5$

10. $-1 + \frac{y}{3} = 3$

15. $-3 + \frac{y}{-6} = -7$

Simple Linear Equations (H) Answers

Solve for each variable.

$$1. \frac{v}{2} - 9 = -12$$
$$v = -6$$

$$6. \frac{a}{6} + 10 = 5$$
$$a = -30$$

$$11. \frac{y}{-7} - (-3) = 11$$
$$y = -56$$

$$2. 6 - \frac{v}{-9} = -3$$
$$v = -81$$

$$7. -1 - \frac{x}{2} = 2$$
$$x = -6$$

$$12. \frac{b}{8} - 4 = 3$$
$$b = 56$$

$$3. \frac{v}{2} + (-9) = 0$$
$$v = 18$$

$$8. \frac{v}{4} - (-9) = 15$$
$$v = 24$$

$$13. \frac{y}{-4} - (-1) = -8$$
$$y = 36$$

$$4. 1 - \frac{a}{5} = -3$$
$$a = 20$$

$$9. -2 + \frac{x}{6} = 6$$
$$x = 48$$

$$14. \frac{a}{5} - (-5) = 2$$
$$a = -15$$

$$5. -2 + \frac{x}{6} = -5$$
$$x = -18$$

$$10. -1 + \frac{y}{3} = 3$$
$$y = 12$$

$$15. -3 + \frac{y}{-6} = -7$$
$$y = 24$$