

Simple Linear Equations (J)

Solve for each variable.

1. $7 + \frac{9}{a} = 16$

6. $\frac{16}{y} - 2 = 2$

11. $5 - \frac{-42}{b} = 12$

2. $5 + \frac{-15}{y} = 10$

7. $\frac{x}{-2} + 7 = 0$

12. $\frac{24}{c} - 3 = 3$

3. $\frac{-18}{v} + 2 = 5$

8. $\frac{c}{-8} - 2 = -11$

13. $-7 - \frac{c}{-8} = -5$

4. $\frac{z}{-3} - (-4) = 8$

9. $\frac{x}{-3} + 6 = 14$

14. $\frac{v}{9} - (-9) = 18$

5. $-3 + \frac{-9}{a} = 6$

10. $10 + \frac{14}{z} = 8$

15. $\frac{-8}{u} + (-10) = -8$

Simple Linear Equations (J) Answers

Solve for each variable.

$$1. 7 + \frac{9}{a} = 16$$
$$a = 1$$

$$6. \frac{16}{y} - 2 = 2$$
$$y = 4$$

$$11. 5 - \frac{-42}{b} = 12$$
$$b = 6$$

$$2. 5 + \frac{-15}{y} = 10$$
$$y = -3$$

$$7. \frac{x}{-2} + 7 = 0$$
$$x = 14$$

$$12. \frac{24}{c} - 3 = 3$$
$$c = 4$$

$$3. \frac{-18}{v} + 2 = 5$$
$$v = -6$$

$$8. \frac{c}{-8} - 2 = -11$$
$$c = 72$$

$$13. -7 - \frac{c}{-8} = -5$$
$$c = 16$$

$$4. \frac{z}{-3} - (-4) = 8$$
$$z = -12$$

$$9. \frac{x}{-3} + 6 = 14$$
$$x = -24$$

$$14. \frac{v}{9} - (-9) = 18$$
$$v = 81$$

$$5. -3 + \frac{-9}{a} = 6$$
$$a = -1$$

$$10. 10 + \frac{14}{z} = 8$$
$$z = -7$$

$$15. \frac{-8}{u} + (-10) = -8$$
$$u = -4$$