

Simple Linear Equations (E)

Solve for each variable.

1. $\frac{v}{-5} - 8 = -4$

6. $\frac{u}{9} = 3$

11. $-6v = -48$

2. $\frac{y}{-9} = 7$

7. $-2u + (-7) = -7$

12. $\frac{-6}{v} = -6$

3. $\frac{54}{u} = 6$

8. $6x = 60$

13. $x - 7 = -17$

4. $-2u - (-10) = -2$

9. $b + 4 = 1$

14. $\frac{a}{7} - (-10) = 6$

5. $u - 3 = 1$

10. $9c = -54$

15. $\frac{-10}{v} = -5$

Simple Linear Equations (E) Answers

Solve for each variable.

$$1. \frac{v}{-5} - 8 = -4$$
$$v = -20$$

$$6. \frac{u}{9} = 3$$
$$u = 27$$

$$11. -6v = -48$$
$$v = 8$$

$$2. \frac{y}{-9} = 7$$
$$y = -63$$

$$7. -2u + (-7) = -7$$
$$u = 0$$

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

$$3. \frac{54}{u} = 6$$
$$u = 9$$

$$8. 6x = 60$$
$$x = 10$$

$$13. x - 7 = -17$$
$$x = -10$$

$$4. -2u - (-10) = -2$$
$$u = 6$$

$$9. b + 4 = 1$$
$$b = -3$$

$$14. \frac{a}{7} - (-10) = 6$$
$$a = -28$$

$$5. u - 3 = 1$$
$$u = 4$$

$$10. 9c = -54$$
$$c = -6$$

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