

Simple Linear Equations (I)

Solve for each variable.

1. $\frac{v}{6} + (-8) = -3$

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

11. $5 - \frac{24}{b} = 9$

2. $6 - \frac{-4}{a} = 10$

7. $-2 + \frac{6}{v} = -4$

12. $\frac{u}{-4} - 1 = -3$

3. $\frac{x}{-6} - 5 = 4$

8. $4 - \frac{b}{7} = 11$

13. $\frac{a}{2} + 9 = 7$

4. $-2 - \frac{-72}{b} = 6$

9. $10 + \frac{8}{b} = 14$

14. $5 - \frac{u}{4} = -1$

5. $\frac{-14}{b} - (-6) = 8$

10. $7 + \frac{-49}{v} = 14$

15. $-10 + \frac{20}{a} = -5$

Simple Linear Equations (I) Answers

Solve for each variable.

$$1. \frac{v}{6} + (-8) = -3$$

$v = 30$

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

$x = -35$

$$11. 5 - \frac{24}{b} = 9$$

$b = -6$

$$2. 6 - \frac{-4}{a} = 10$$

$a = 1$

$$7. -2 + \frac{6}{v} = -4$$

$v = -3$

$$12. \frac{u}{-4} - 1 = -3$$

$u = 8$

$$3. \frac{x}{-6} - 5 = 4$$

$x = -54$

$$8. 4 - \frac{b}{7} = 11$$

$b = -49$

$$13. \frac{a}{2} + 9 = 7$$

$a = -4$

$$4. -2 - \frac{-72}{b} = 6$$

$b = 9$

$$9. 10 + \frac{8}{b} = 14$$

$b = 2$

$$14. 5 - \frac{u}{4} = -1$$

$u = 24$

$$5. \frac{-14}{b} - (-6) = 8$$

$b = -7$

$$10. 7 + \frac{-49}{v} = 14$$

$v = -7$

$$15. -10 + \frac{20}{a} = -5$$

$a = 4$