

LESSON
11-2 Homework and Practice
Solving Multistep Equations

Solve.

1. $16y - 4 - 8y = 28$

2. $7p - 6 + 4p = -39$

3. $-5t + 9 + 2t = 30$

4. $r + 3 + 2r = -21$

5. $8b - 11 - b = 24$

6. $11g + 4 - 7g = -20$

7. $-z + 18 + 4z = 6$

8. $9j + 2 - 12j = 8$

9. $5m - 7 + 2m = 56$

10. $\frac{(6a - 4)}{7} = 8$

11. $\frac{(7 + 3s)}{4} = \frac{5}{2}$

12. $\frac{(8 - n)}{7} = \frac{4}{3}$

Solve.

13. $\frac{(3x - 5.7)}{6} = 4.1$

14. $\frac{(2.4 - 2v)}{3} = 9$

15. $\frac{(6c - 3.6)}{4} = -\frac{4}{5}$

16. Louis has 3 times as many baseball caps as Rachel. Adding 9 to the number of baseball caps that Louis has and dividing by 2 equals the number of baseball caps that Andrew has. If Andrew has 18 baseball caps, how many baseball caps does Rachel have?

LESSON **Homework and Practice****11-3 Solving Equations with Variables on Both Sides**

Group the terms with the variables on one side of the equal sign and simplify.

1. $7y = 2y - 10$

2. $3v - 16 = -v$

3. $2a = 4a + 8$

4. $6b = -b + 21$

5. $-4j = 18 + 5j$

6. $\frac{3}{4}m = 7 - \frac{1}{4}m$

Solve.

7. $9p - 6 = 3p$

8. $4g + 21 = 11g$

9. $-5s - 48 = -s$

10. $4r + 7 = -5r + 34$

11. $-3w + 26 = -18 + w$

12. $-9c - 16 = c + 34$

13. $\frac{7}{12}d + 3 = -\frac{1}{6}d$

14. $-6 - \frac{4}{3}h = -\frac{2}{3}h$

15. $\frac{1}{3}f + 21 = \frac{1}{2}f + 18$