3-4 Practice

NAME _____ DATE _____ PERIOD _____

Student Edition
Pages 112–116

Equations

Find the solution of each equation if the replacement sets are $a = \{4, 5, 6\}$, $b = \{-2, -1, 0\}$, and $c = \{-1, 0, 1, 2\}$.

1. $8 = a + 3$

2. $b - 3 = -5$

3. $3c = -3$

4. $9 = -a + 13$

5. $5a + 5 = 35$

6. $2c - 4 = 0$

7. $-4b + (-3) = 1$

8. $-9c - 9 = 0$

9. $\frac{8 + 17}{5} = -5c$

10. $\frac{-9 - 23}{4} = 4b$

11. $\frac{11 + 9}{a} + 2 = 7$

12. $\frac{9c}{3} - 5 = -2$

Solve each equation.

13. $q = -9.7 - 0.6$

14. $14 - 1.4 = d$

15. $f = 7 + 6 \cdot 7$

16. $b = -5(3) + 4 - 1$

17. $10 - 8 \cdot 3 \div 3 = w$

18. $z = 6(3 - 6 \div 2)$

19. $-2(-5 + 4 \cdot 3) = h$

20. $g = 3(7) - 9 \div 3$

21. $\frac{6 \cdot 8 - 8}{5} = c$

22. $p = \frac{-18 \div 3 + 2}{16 \div 4}$

23. $\frac{2 \cdot 5 - 8}{9 - 4} = t$

24. $\frac{12 - 3 \cdot 2}{32 \div 4} = m$