Test, Form 1A

Write the letter for the correct answer in the blank at the right of each question.

Solve.

1. Three times Geoff's age plus 3 is Myrka's age. Myrka is 48. What is Geoff's age?

   A. 15   **B.** 17   **C.** 135   **D.** 153

   1. **A**

2. In the basketball game, Rachael scored 6 points less than twice the number of points Trina scored. Trina scored 9 points. How many points did Rachael score?

   F. 3 points   **G.** 12 points   **H.** 15 points   **I.** 18 points

   2. **G**

What is the solution of each equation?

3. $9 + n = -2$

   A. -11 **B.** -7 **C.** 2   **D.** 7

   3. **A**

4. $14 = y - 10$

   F. -24 **G.** -4 **H.** 4   **I.** 24

   4. **I**

5. $5 = x + 3$

   A. -8 **B.** -2 **C.** 2   **D.** 8

   5. **C**

6. $t - 26 = -21$

   F. -47 **G.** -5 **H.** 5   **I.** 47

   6. **H**

7. $84 = 7d$

   A. 8   **B.** 12   **C.** 77   **D.** 91

   7. **B**

8. $6z = 12$

   F. 2   **G.** 6   **H.** 18   **I.** 72

   8. **F**

9. $\frac{x}{4} = -1$

   A. -4 **B.** $-\frac{1}{4}$ **C.** $\frac{1}{4}$ **D.** 4

   9. **A**

10. $-2 + \frac{4}{5}x = 6$

   F. -5 **G.** 5   **H.** 8   **I.** 10

   10. **I**

11. $\frac{2}{3}x = 4$

   A. 6   **B.** $3\frac{1}{3}$ **C.** $2\frac{2}{3}$ **D.** $1\frac{1}{2}$

   11. **A**

Test, Form 1A (continued)

12. $\frac{1}{2}x = \frac{5}{6}$

    F. $\frac{1}{3}$ **G.** $\frac{5}{12}$ **H.** $1\frac{1}{6}$ **I.** $1\frac{2}{3}$

    12. __I__

13. $-8x + 3 = -29$

    A. 256   **B.** 4   **C.** 3   **D.** -40

    13. __B__

14. $3x + 1 = -11$

    F. -36 **G.** -30 **H.** -4 **I.** -3

    14. __H__

15. $\frac{5}{6}(x + 4) = 15$

    A. -18 **B.** -14 **C.** 14   **D.** 18

    15. __C__

16. $0.3a = 6$

    F. 1.8   **G.** 2   **H.** 18   **I.** 20

    16. __I__

17. What is the solution of $x + 6 < 5$?

    A. $x < 11$ **B.** $x > 11$ **C.** $x < -1$ **D.** $x > -1$

    17. __C__

18. What is the solution of $\frac{y}{-2} \le 3$?

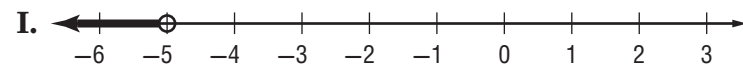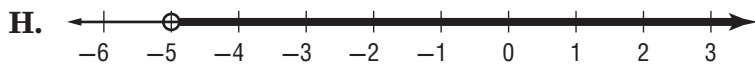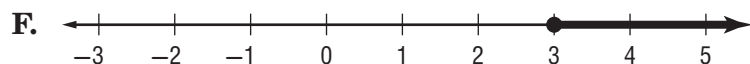   **F.** $y \le -6$ **G.** $y \ge -6$ **H.** $y \le -\frac{3}{2}$ **I.** $y \ge -\frac{3}{2}$

    18. __G__

19. What is the solution of $\frac{2}{3}a + 6 > 0$?

    A. $a > -9$ **B.** $a < -9$ **C.** $a > -4$ **D.** $a < -4$

    19. __A__

20. What is the graph of the solution set of $b - 4 \ge -1$?

    F.

    G.

    H.

    I.

    20. __F__

Course 2 • Chapter 6 Equations and Inequalities