

# Test Review, Chapter 6, Lessons 1 - 8

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. \_\_\_\_\_

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. \_\_\_\_\_

What is the solution of each equation?

3.  $9 + n = -2$

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

3. \_\_\_\_\_

4.  $14 = y - 10$

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

4. \_\_\_\_\_

5.  $5 = x + 3$

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

5. \_\_\_\_\_

6.  $t - 26 = -21$

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

6. \_\_\_\_\_

7.  $84 = 7d$

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

7. \_\_\_\_\_

8.  $6z = 12$

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

8. \_\_\_\_\_

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

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

9. \_\_\_\_\_

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

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

10. \_\_\_\_\_

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

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

11. \_\_\_\_\_

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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. \_\_\_\_\_

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

A. 256

B. 4

C. 3

D. -40

13. \_\_\_\_\_

14.  $3x + 1 = -11$

F. -36

G. -30

H. -4

I. -3

14. \_\_\_\_\_

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

A. -18

B. -14

C. 14

D. 18

15. \_\_\_\_\_

16.  $0.3a = 6$

F. 1.8

G. 2

H. 18

I. 20

16. \_\_\_\_\_

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

A.  $x < 11$

B.  $x > 11$

C.  $x < -1$

D.  $x > -1$

17. \_\_\_\_\_

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

F.  $y \leq -6$

G.  $y \geq -6$

H.  $y \leq -\frac{3}{2}$

I.  $y \geq -\frac{3}{2}$

18. \_\_\_\_\_

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

A.  $a > -9$

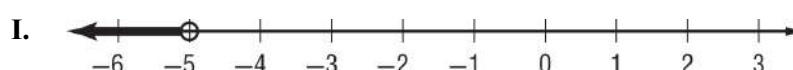
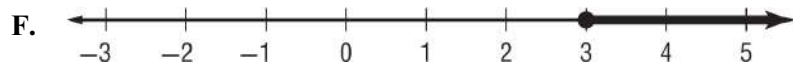
B.  $a < -9$

C.  $a > -4$

D.  $a < -4$

19. \_\_\_\_\_

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



20. \_\_\_\_\_