

Chapter 10 Test, Form 1

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

Use the Distributive Property to rewrite each expression.

1. $4(m - 3)$

A. $4m - 3$

B. $4m - 12$

C. $m - 12$

D. $4m - 7$

1. _____

2. $(y + 7)(-2)$

F. $-2y - 7$

G. $-2y + 7$

H. $-2y + 14$

I. $-2y - 14$

2. _____

3. Simplify $-5 + 4c - 2c$.

A. $-5 + 6c$

B. $-5 - 6c$

C. $2c - 5$

D. $2c + 5$

3. _____

Solve each equation.

4. $10 + 3y = 1$

F. 9

G. -9

H. -3

I. 3

4. _____

5. $\frac{x}{2} - 5 = -3$

A. 4

B. 1

C. -16

D. -4

5. _____

6. $m + 4m - 1 = 9$

F. 2

G. $\frac{5}{2}$

H. -2

I. $\frac{8}{5}$

6. _____

7. $4a - 8 = 3a - 1$

A. 7

B. -7

C. -1

D. 9

7. _____

8. $12z - 9 = 3z$

F. 4

G. 1

H. $\frac{3}{5}$

I. $\frac{5}{3}$

8. _____

9. $3a + 2 = 2a + 6$

A. -8

B. 8

C. -4

D. 4

9. _____

10. Twelve less than twice a number is 6. Which of the equations can be used to find the number?

F. $12 - 2n = 6$

G. $2n - 12 = 6$

H. $6 - 12 = 2n$

I. $6 - 2n = 12$

10. _____

11. **TENNIS** Marianna wants to buy a new tennis racket that costs \$30. She has \$8 and plans to save \$2 each week. How many weeks will it take Marianna to save the money?

A. 24 weeks

B. 10 weeks

C. 11 weeks

D. 15 weeks

11. _____

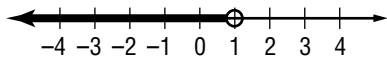
Chapter 10 Test, Form 1 (continued)12. Which inequality represents *at least 5 movies*?

- F. $m \geq 5$ G. $m > 5$ H. $m \leq 5$ I. $m < 5$ 12. _____

13. Which value makes the inequality $28 > 2x$ true?

- A. $x = 14$ B. $x = -1$ C. $x = 15$ D. $x = 20$ 13. _____

14. Which inequality is graphed below?



- F. $x > 1$ G. $x \geq 1$ H. $x \leq 1$ I. $x < 1$ 14. _____

Solve each inequality.15. $q - 6 > 1$

- A. $q > 5$ B. $q < 5$ C. $q > 7$ D. $q < 7$ 15. _____

16. $2a \leq -24$

- F. $a \leq -12$ G. $a \geq -48$ H. $a \leq -22$ I. $a \geq -12$ 16. _____

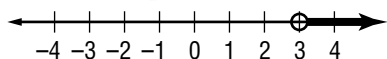
17. $\frac{x}{-6} \geq 30$

- A. $x > 30$ B. $x < -60$ C. $x \leq -180$ D. $x \geq 180$ 17. _____

18. Which inequality represents *seven more than a number is no more than ten*?

- F. $7 + n < 10$ G. $7 + n > 10$ H. $7 + n \leq 10$ I. $7 + n \geq 10$ 18. _____

19. Which inequality's solution is graphed below?



- A. $a - 7 < -4$ B. $a - 7 \leq -4$ C. $a - 7 > -4$ D. $a - 7 \geq -4$ 19. _____

20. **SHOPPING** Mario plans to spend no more than \$50 for 4 shirts. Which inequality represents how much he can spend on each shirt?

- F. $s \leq \$12.50$ G. $s < \$12.50$ H. $s > \$12.50$ I. $s \geq \$12.50$ 20. _____

Bonus Solve $6(x - 2) = 18$.**B:** _____