

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.  $5(x - 3)$   
 A.  $5x - 3$                       B.  $x - 15$                       C.  $5x + 15$                       D.  $5x - 15$                       1. \_\_\_\_\_
2.  $-8(b + 7)$   
 E.  $-8b + 7$                       G.  $-8b - 56$                       H.  $b - 56$                       J.  $-8b + 56$                       2. \_\_\_\_\_
3. Simplify  $8m + 3 - 2m - 7$ .  
 A.  $6m - 4$                       B.  $10m + 10$                       C.  $-6m + 4$                       D.  $2m$                       3. \_\_\_\_\_

Solve each equation.

4.  $-6 + 2y = -18$   
 F.  $-12$                       G.  $-24$                       H.  $-6$                       J.  $-12$                       4. \_\_\_\_\_
5.  $\frac{x}{3} - 10 = 10$   
 A. 40                      B.  $6\frac{2}{3}$                       C. 0                      D. 60                      5. \_\_\_\_\_
6.  $15x + 7 - 2x = -19$   
 F.  $-2$                       G.  $-13$                       H. 2                      J. 13                      6. \_\_\_\_\_
7. Which equation represents *five less than twice a number is 12*?  
 A.  $5 - 2n = 12$                       C.  $5 + 2n = 12$   
 B.  $2n - 5 = 12$                       D.  $2n - 12 = 5$                       7. \_\_\_\_\_
8. **ENTERTAINMENT** Matthew purchased 3 videos and 1 music CD. The CD was \$12.99. If Matthew spent a total of \$42.96, how much did each video cost?  
 F. \$55.96                      G. \$29.97                      H. \$9.99                      J. \$18.65                      8. \_\_\_\_\_
9. Which inequality represents *no more than 150 people will attend*?  
 A.  $p < 150$                       B.  $p \leq 150$                       C.  $p \geq 150$                       D.  $p > 150$                       9. \_\_\_\_\_
10. Which value makes the inequality  $20 - k < 12$  true?  
 F. 8                      G. 10                      H.  $-3$                       J. 5                      10. \_\_\_\_\_

11. What inequality is graphed below?



- A.  $x > -2$                       B.  $x \geq -2$                       C.  $x < -2$                       D.  $x \leq -2$                       11. \_\_\_\_\_

# Algebra Chapter 5 Answers

**Michael Rajnik**



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