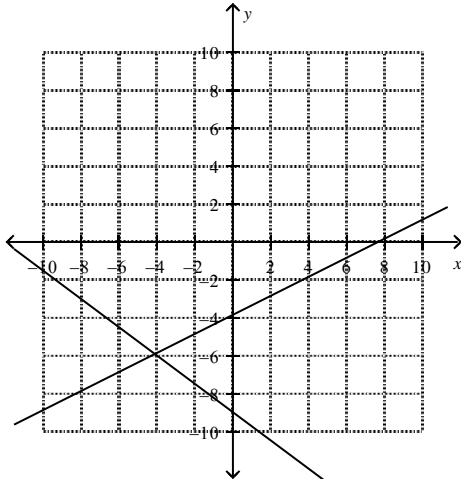


Chapter 6-B Test Review January 2012

Answer Section

SHORT ANSWER

1. ANS:
 (-4, -6)



OBJ: 6-1.2 Solving a System of Linear Equations by Graphing
 STA: A.8.B

2. ANS:
 (-2, 3)

OBJ: 6-2.1 Solving a System of Linear Equations by Substitution
 STA: A.8.B

3. ANS:
 (4, 8)

OBJ: 6-2.2 Using the Distributive Property

4. ANS:
 (0, -2)

OBJ: 6-3.1 Elimination Using Addition
 STA: A.8.B

5. ANS:
 (5, 0)

OBJ: 6-3.2 Elimination Using Subtraction

6. ANS:
 (4, 3)

OBJ: 6-3.3 Elimination Using Multiplication First
 STA: A.8.B

7. ANS:
 This system has no solutions.

OBJ: 6-4.1 Systems with No Solution
 STA: A.8.C

8. ANS:
 The Pup Palace Kennel is cheaper than Nguyen's Kennel after 5 days.

OBJ: 6-2.3 Application
 STA: A.8.A

9. ANS:
 4 games; \$27

OBJ: 6-1.3 Problem-Solving Application
 STA: A.8.A

10. ANS:
 7 zebra fish, 6 neon tetras

OBJ: 6-3.4 Application
 STA: A.8.A

11. ANS:
 11 quarters and 19 dimes

STA: A.8.A

12. ANS:
 A) length = 5 cm; width = 18 cm
 B) $4x+4y=54$; $4x-4y=14$

OBJ: 7-2.1 Using Substitution
 STA: TX TEKS A.8A | TX
 TEKS A.8B

13. ANS:
 This system is consistent. It has infinitely many solutions.

OBJ: 6-4.3 Classifying Systems of Linear Equations
 STA: A.8.C

14. ANS:
 STA: A.8.B
 inconsistent ; no solutions

STA: A.8.C

15. ANS:
 yes

OBJ: 6-1.1 Identifying Solutions of a System
 STA:

- STA: A.8.C
 STA: A.8.B

16. ANS:
 No, (8, 5) is not a solution of $y > x + 7$.

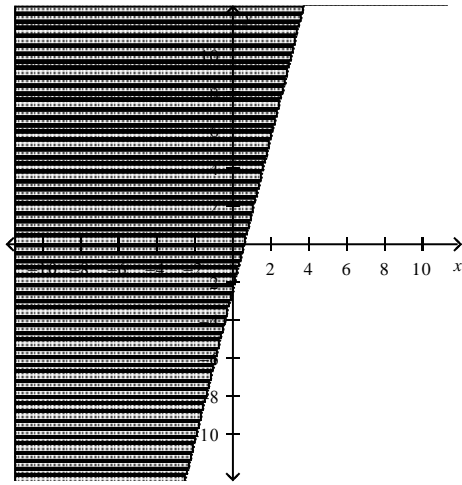
OBJ: 6-5.1 Identifying Solutions of Inequalities
 STA: A.7.B

17. ANS:
 Yes, (5, 6) is a solution of $y < 5x + 8$.

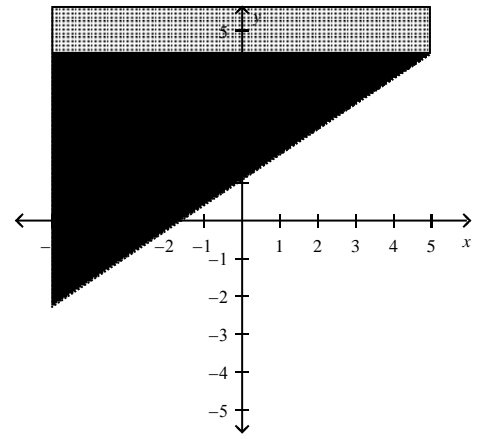
OBJ: 6-5.1 Identifying Solutions of Inequalities
 STA:

A.7.B

18. ANS:



20. ANS:

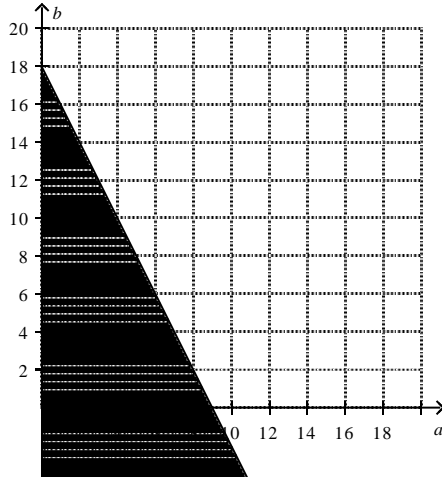


STA: A.7.B

OBJ: 6-5.2 Graphing Linear Inequalities in Two Variables
STA: A.7.B

19. ANS:

$2a + b \leq 18$; 2 pounds of apples and 12 pounds of bananas or 4 pounds of apples and 2 pounds of bananas.



OBJ: 6-5.3 Application
STA: A.8.C