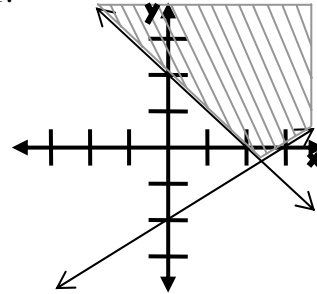


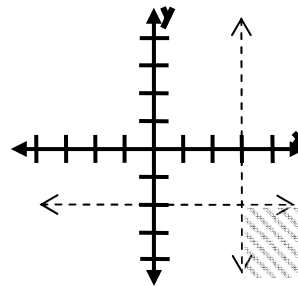
CHAPTER 4 TEST FORM A ANSWERS

1. inconsistent
2. dependent
3. a solution
4. not a solution
5. $(5, -1)$
6. $(-3, 4)$
7. infinitely many solutions
8. $(1, -1)$
9. $(1, 1)$
10. no solution
11. $\left(2, \frac{1}{2}\right)$
12. $(2, -2)$
13. $(1, 3)$
14. $(-2, 3)$
15. no solution
16. $25^\circ, 65^\circ$
17. 100 children's tickets, 80 adult tickets
18. 32 pounds peanuts, 16 pounds cashews
19. \$3000 @ 4%, \$2000 @ 3%
20. $166\frac{2}{3}$ ml of 6% acid solution,
 $83\frac{1}{3}$ ml of 12% acid solution

21.



22.



23. substitution

24. no solution

$$25. \begin{cases} 15x + 25y \geq 75 \\ 15x + 25y \leq 120 \end{cases}$$