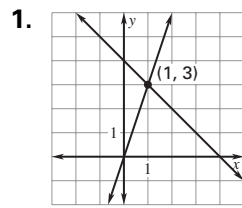


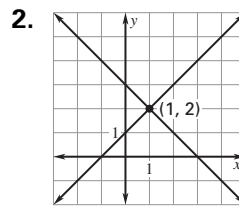
Answer Key

Chapter 3 Review and Assessment

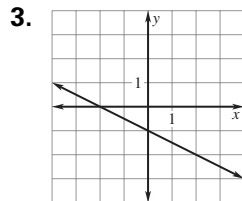
Test B



(1, 3)



(1, 2)

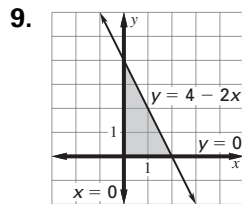
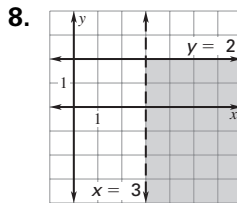
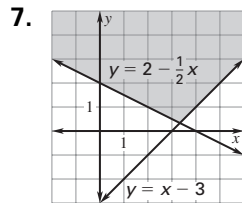


4. (-1, 3)

5. (2, -1)

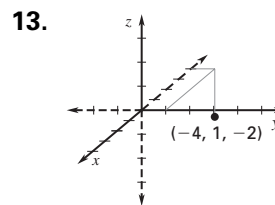
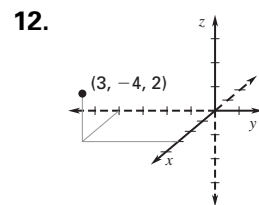
6. (-1, 6)

infinitely many solutions



10. minimum of 0 at (0, 0);
maximum of 30 at (0, 6)

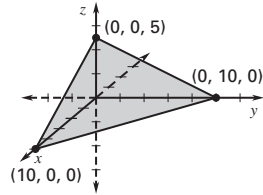
11. minimum of 0 at (0, 0);
maximum of 17 at (3, 4)



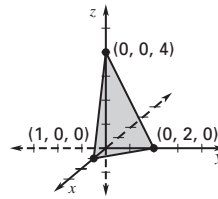
Answer Key

Chapter 3 Review and Assessment

14.



15.



16. $f(x, y) = -2x - 3y + 6$; -7

17. $(1, 2, 3)$ 18. no solution

19. daytime = \$6; evening = \$8 20. 360