p. 101/ # 3 - 15, 18 - 24, 28 - 36, 40 - 44, 50, 51, 54 - 57

3. $y = 2$ (1)

4. $y = 3x - 4$ (1)

5. $y = 6x$ (1)

6. $y = \frac{2}{3}x + 4$ (1)

7. $y = -\frac{5}{4}x + 7$ (1)

8. $y = -5x - 1$ (1)

9. $y = 4x - 2$ (1)

10. $y = -3x + 8$ (1)

11. $y = 2x + 11$ (1)

12. $y = -6$ (1)

13. $y = -9x + 85$ (1)

14. $y = \frac{3}{4}x - 9$ (1)

15. $y = -\frac{4}{7}x + 1$ (1)

18. Subtracting the x-coordinate in the point gives $x - (-4) = x + 4$; (1)
$y - 2 = 3(x + 4)$,
$y - 2 = 3x + 12$, $y = 3x + 14$. (1)

19. The x- and y-coordinates were transposed; (1) $y - 1 = -2(x - 5)$,
$y - 1 = -2x + 10$,
$y = -2x + 11$. (1)

20. $y = -4x - 17$ (1)

21. $y = -x + 8$ (1)

22. $y = 3x + 2$ (1)

23. $y = -3x + 13$ (1)

24. $x = -6$ (1)

28. $y = 5x - 16$ (1)

29. $y = -\frac{1}{4}x + \frac{19}{4}$ (1)

30. $y = 2x + 5$ (1)

31. $y = -3x + 11$ (1)

32. $y = \frac{1}{2}x - 2$ (1)

33. $y = -\frac{2}{3}x + 7$ (1)

34. $y = -\frac{3}{2}x + \frac{1}{2}$ (1)

35. $y = 5x + 23$ (1)

36. $y = -\frac{1}{3}x + 25$ (1)

40. $3x + y = 5$ (1)

41. $-4x + y = -3$ (1)

42. $3x + 2y = -2$ (1)

43. $4x - 5y = -7$ (1)

44. $2x - y = -5$ (1)

50. $c = 350m + 6500$ (1)

51. $n = 15t + 50$ (1)

54. a. $21.75x + 17y = 86{,}000$ (1)

b. 2000 ft^2 (1)

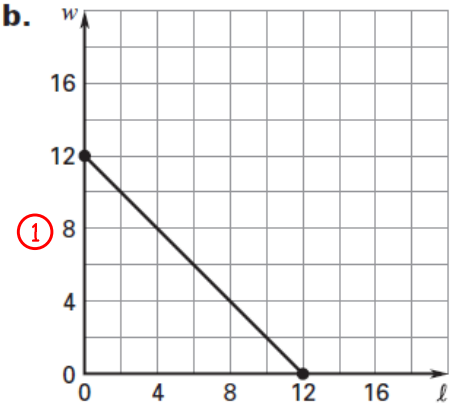
c. about 4439 ft^2 (1)

55. $y = 1.66x + 21.62$; \$48.18 (2)

56. $y = \frac{1}{10}x + 24.5$ (1)

57. a. $2\ell + 2w = 24$ (1)

b. (1)



c. *Sample:* (1)

ℓ	w
6	6
7	5
8	4
9	3
10	2

47 points total