Chapter 6 Test Key

1. $4z^6$
2. $6x^2 + 9x$
3. $4x^3 + 6x^2$
4. $5xa + 5xb + 5xc$
5. $6a^2 + 21ab + 15ac$
6. $2x^2 + 3x + 1$
7. $6x^2 + 7x + 2$
8. $xa + xb + xc + 2a + 2b + 2c$
9. $6xa + 9xb + 3x + 2a + 3b + 1$
10. $3x + 2$
11. $5x^2 + 4$
12. $5x^2 + 3x + 1$
13. $4x^3 + 3x^2 + 5x - 2$
14. $^1/_{15}$
15. $^5/_{7x}$
16. $^{2x}/_{27}$
17. $\frac{4x+2}{5}$
18. $\frac{21(x-1)}{4(x+1)} = \frac{21x-21}{4x+4}$
19. (c) $P = 2l + 2w$
20. integer
21. perimeter
22. $l = 16$ inches, $w = 3$ inches
23. (c) 23 m, 25 m, 27 m
24. AC = 9; CD = 3; AD = 9
25. 1 inch by 6 inches
26. (e) 36 cm
27. 42 ft
28. $4(x + 3)$
29. $7(a + 2b + 3c)$
30. $4x^2(a + 2b + 3c)$
31. $15y(x^2 + 2x + 2)$
32. $6x(a + b + c + d)$
33. (b) 1
34. (c) 2
35. $\frac{4(x+5)}{4(x^2+3x-2)} = \frac{x+5}{x^2+3x-2}$
36. (b)
37. (c)
38. (a)
39. (d)
40. (a)

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