Quiz 6-3 Answer Key



1. $3x + 2$
2. $P = 2l + 2w$
3. integer
4. (c) perimeter
5. $l = 13$ inches, $w = 3$ inches
6. $l = 9$ inches, $w = 2$ inches
7. $s_1 = 30$ meters, $s_2 = 31$ meters, $s_3 = 32$ meters
8. AC = 40; CD = 14; AD = 40
9. (a) 6 in. × 12 in.
10. 20 inches by 40 inches
11. (b) equal
12. (c) $C = 2\pi r$
13. 3, 5, 7, 9, 11
14. 64 centimeters
15. (c) 14
16. prime
17. not
18. complete (or prime) factorization
19. $2 \bullet 2 \bullet 2 \bullet 2$
20. $2 \bullet 3 \bullet 3 \bullet x \bullet x \bullet x \bullet y \bullet y$
21. Distributive Property
22. $2 \bullet 2 \bullet 5 \bullet x$
23. $2 \bullet 7 \bullet x \bullet x \bullet y \bullet y$
24. $3(x + 4)$
25. $4(x + 4)$
26. $4x(a + 2b + 3c)$
27. $10y(x^2 + 2x + 3)$
28. $3x(a + b + c + d)$
29. all
30. $\neq$
31. (b) No
32. 1
33. divide (or cancel)
34. $\frac{5(x+5)}{3(x+5)} = \frac{5}{3}$
35. $\frac{3(x+5)}{6(x^2+2x-1)} = \frac{x+5}{2(x^2+2x-1)}$
36. b
37. e
38. d
39. a
40. c

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