1. $10x + 5$; linear binomial

5. $2p^2 - p$; quadratic binomial

9. $5x^3$; cubic monomial

25. $x^3 + 4x$; cubic binomial

27. 7; constant monomial

31. a. $V = 10\pi r^2$ b. $V = 2/3\pi r^3$ c. $V = 10\pi r^2 + 2/3\pi r^3$

Next section only asks to classify by number of terms, not degree…

33. $-c^2 + 16$; quadratic binomial

37. $a + 4b$; binomial

41. $2x^3 + 9x^2 + 5x + 27$; polynomial

45. $10a^2 - 3ab + 10$; trinomial

47. $30x^3 - 10x^2$; binomial

49. $b^3 - 6b^2 + 9b$; trinomial

55. $12s^3 + 61s^2 + 68s - 21$; polynomial

62. B

63. A

64. A

67. 2

68. none

69. original vertex (0, -1) because no left/right and down 1;

new vertex is right five and down two so (5, -3)