

番号	配点	正 答	上位群 正答率 下位群	上位群 無答率 下位群	誤 答 率	主な誤答例 (標本全体に対する%)
[1] (1)	5	-8	86 93 81	0 0 0	14	8 (5.7), -2 (5.7), 2 (0.5), -4 (0.3)
(2)	5	$4\sqrt{3} - 4$	69 91 43	1 0 1	30	2 (6.6), -4 (5.7), 4 (2.6), $4\sqrt{3} + 2$ (1.6)
(3)	5	$\frac{1}{2}a(x-6)(x+3)$	39 66 15	10 3 17	51	$a(x-6)(x+3)$ (18.5), $a\left(\frac{1}{2}x^2 - \frac{3}{2}x - 9\right)$ (10.2), $2a(x-6)(x+3)$ (3.3), $(x-6)(x+3)$ (1.3)
(4)	5	$x = \frac{-5 \pm \sqrt{17}}{4}$	77 95 48	9 0 21	14	$\frac{-5 \pm \sqrt{17}}{2}$ (1.3), $\frac{-5 \pm \sqrt{33}}{4}$ (0.7), $\frac{5 \pm \sqrt{17}}{4}$ (0.7),
(5)ア	5	$\begin{cases} x+y+z=16 \\ 150x+200y+300z=3000 \end{cases}$	96 99 95	2 0 1	3	$\begin{cases} x+y+z=16 \\ 150x+200y+300z=3000 \end{cases}$ (0.4), $\begin{cases} x+y+z=3000 \\ 150x+200y+300z=16 \end{cases}$ (0.3), $\begin{cases} 150x+200y+300z=16 \\ 150x+200y+300z=3000 \end{cases}$ (0.3),
イ	5	150円のケーキ8個 200円のケーキ6個	88 99 86	3 0 3	9	(4, 9) (1.2), (4, 10) (0.9), (2, 12) (0.9), (6, 8) (0.6)
(6)	5	30 通り	26 42 6	11 5 17	63	15 (5.2), 3 (3.9), 9 (3.9), 8 (3.6)
(7)	5	$\frac{1}{18}$	75 97 44	7 0 15	18	$\frac{1}{9}$ (4.3), $\frac{1}{12}$ (2.6), $\frac{1}{6}$ (2.3), $\frac{1}{36}$ (1.5)
(8)	5	$a = -6$	60 85 23	7 2 15	33	6 (5.3), $-3/2$ (2.4), 3 (2.3), 8 (1.5)
(9)	5	$a = 18, b = 6$	53 83 14	8 0 16	39	$a = 6, b = 2/3$ (27.2), $a = 6, b = 3$ (0.7), $a = 6, b = 1/3$ (0.7), $a = 6, b = 4$ (0.6)
(10)	5	$\angle x = 122^\circ$	64 91 41	4 0 7	32	$116^\circ$ (11.9), $58^\circ$ (2.0), $119^\circ$ (1.0), $128^\circ$ (0.9)
[2] (1)	5	$y = 12$	63 85 32	6 0 10	31	16 (16.5), 8 (4.0), 2.4 (2.2), 6 (1.1)
(2)	5	$y = 6x - 12$	24 46 1	24 5 48	52	$y = 2x$ (7.6), $y = 6x$ (6.6), $y = 4x$ (3.8), $y = -2x + 24$ (3.6)
[3] (1)	5	$a = -\frac{1}{4}$	56 79 27	4 0 8	40	$\frac{1}{4}$ (21.1), 1 (2.6), $\frac{1}{2}$ (2.4), $-\frac{1}{2}$ (2.2)
(2)	5	$y = -3x + 5$	36 64 3	25 7 51	39	$y = -x + 3$ (6.4), $y = -2x + 3$ (2.3), $y = -2x + 4$ (0.8), $-x + 3$ (0.6)
[4] (1)	5	$3\sqrt{7} \text{ cm}$	75 98 34	3 0 7	22	$3\sqrt{5}$ (3.3), $6\sqrt{2}$ (3.2), $3\sqrt{6}$ (1.3), $3\sqrt{11}$ (0.9)
(2)	5	$x = \frac{15}{2}$	46 75 7	18 4 37	36	4 (5.1), $\frac{25}{4}$ (3.6), 5 (3.4), $\frac{45}{11}$ (3.2)
(3)	5	$\frac{104\sqrt{7}}{3} \text{ cm}^3$	25 50 0	30 5 62	45	$32\sqrt{7}$ (3.5), $24\sqrt{7}$ (1.7), $34\sqrt{7}$ (0.9), $33\sqrt{7}$ (0.8)
[5] (1)	5	$3\sqrt{3} \text{ cm}^2$	30 55 3	26 12 49	44	6 (10.6), 4.5 (4.9), 3 (3.2), $\frac{3}{2}\sqrt{3}$ (1.3)
(2)	5	$9\sqrt{2} - 9 \text{ cm}^2$	5 7 0	39 25 54	56	4.5 (16.1), 3 (2.6), 9 (2.4), 4 (2.3)