

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	-63	89 97 83	0 0 0	11	81 (2.4), 63 (2.3), -153 (0.8)
(2)	5	$8 - 2\sqrt{3}$	72 90 58	1 0 0	27	$4 - 2\sqrt{3}$ (4.0), $4 + 2\sqrt{3}$ (2.3), $8 - 4\sqrt{3}$ (1.7), $8 + 6\sqrt{3}$ (1.2)
(3)	5	$2x(x-3)(x+1)$	89 96 82	1 0 1	10	$2x(x^2-2x-3)$ (1.6), $(x-3)(x+1)$ (1.3) $x(x-3)(x+1)$ (0.8), $2x(x+3)(x-1)$ (0.6)
(4)	5	$x = 2 \pm \sqrt{5}$	73 97 56	8 1 14	19	$x = 2 + \sqrt{5}$ (2.1), $x = -3, 7$ (0.9) $x = 3, 1$ (0.7), $x = -2 \pm \sqrt{5}$ (0.7)
(5)ア	5	$\begin{cases} x+y=900 \\ \frac{90}{100}x + \frac{120}{100}y = 930 \end{cases}$	84 97 66	3 0 7	13	$x + y = 900$ と $-0.1x + 0.2y = 930$ (1.0), $-0.1x + 0.2y = 30$ (0.8), $0.9x + 1.2y = 30$ (0.8)
イ	5	80人	73 97 42	6 0 15	21	480人(2.3), 40人(2.1), 20人(2.0), 100人(1.9)
(6)	5	9	34 52 10	2 0 3	64	12 (28.6), 6 (9.0), 3 (3.6), 24 (2.9)
(7)	5	$\frac{46}{7}$	52 73 22	7 1 14	41	25 (11.2), $\frac{151}{7}$ (4.2), 325 (1.5), $\frac{45}{7}$ (1.5)
(8)	5	$a = 6$	63 89 34	5 0 13	32	$\frac{3}{2}$ (3.5), 3 (3.4), 12 (2.7), 10 (2.7)
(9)	5	$a = 1, b = 2$	76 99 42	8 0 21	16	$a = 2, b = 1$ (4.3), $a = 2, b = 4$ (1.2), $a = 2, b = 6$ (1.2)
(10)	5	$126^\circ$	54 85 21	5 1 10	41	$108^\circ$ (18.0), $144^\circ$ (5.2), $72^\circ$ (3.9), $54^\circ$ (1.7)
[2] (1)	5	30	68 90 44	3 0 5	29	40 (9.9), 20 (4.6), 50 (2.1)
(2)	5	$y = -10x + 130$	30 62 1	22 3 47	48	$-10x + 40$ (7.5), 40 (2.5), $2x$ (2.5)
[3] (1)	5	2	56 83 18	8 0 18	36	1 (18.4), (2, 8) (7.2), (1, 2) (4.3)
(2)	5	$a = \frac{4}{5}$	54 91 8	14 0 30	32	$\frac{1}{2}$ (5.5), 1 (4.6), 4 (3.1)
[4] (1)	5	エ $\angle BFD$ イ $\angle EFD$	78 95 52	0 0 0	22	(ウ, イ) (6.7), (エ, ア) (5.2), (ウ, ア) (2.1)
(2)	5	$\frac{10}{3} \text{ cm}$	43 74 5	15 5 33	42	3 (9.9), 4 (6.5), 2 (3.1)
[5] (1)	5	$3\sqrt{7} \text{ cm}$	70 96 44	4 0 8	26	$6\sqrt{2}$ (3.5), $3\sqrt{5}$ (3.3), 7 (1.9)
(2)	5	$x = \frac{15}{2}$	47 82 9	20 4 44	33	4 (5.6), 5 (4.4), 3 (3.1)
(3)	5	$\frac{104\sqrt{7}}{3} \text{ cm}^3$	26 54 20	33 7 66	41	$24\sqrt{7}$ (2.2), $32\sqrt{7}$ (2.1), $36\sqrt{7} - \frac{4\sqrt{5}}{3}$ (1.1)