

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)	4	23	92 97 82	0 0 0	8	27(4.2), $-\frac{33}{4}$ (1.0)
(2)	4	$\frac{1}{15}$	88 98 81	0 0 0	12	$\frac{7}{15}$ (3.4), $-\frac{2}{15}$ (0.8), $-\frac{1}{15}$ (0.8)
(3)	4	$5\sqrt{2}$	94 99 95	0 0 1	6	$\sqrt{2}$ (0.8), $3\sqrt{2} + 2\sqrt{2}$ (0.6)
(4)	4	$2x^2 - 8y^2$	88 96 78	0 0 1	12	$2(x+2y)(x-2y)$ (2.3) $2x^2 + 2xy - 8y^2$ (1.6)
(5)	4	$(x-7)(x+2)$	97 99 95	0 0 1	3	$(x+7)(x-2)$ (0.5), 7, -2(0.4)
(6)	4	$x = -1 \pm \sqrt{5}$	69 96 49	3 0 5	28	$\pm\sqrt{5}$ (2.6), $-2 \pm \sqrt{5}$ (1.6)
(7)	4	$\begin{cases} x+y=1000 \\ \frac{5}{100}x + \frac{10}{100}y = 70 \end{cases}$	84 99 63	3 0 9	13	$\begin{cases} x+y=1000 \\ \frac{5}{100}x + \frac{10}{100}y = 1070 \end{cases}$ (2.5)
	4	イ $x=600, y=400$	79 97 56	11 0 29	10	$x=600, y=400$ (1.4)
(8)	4	$x=11$	82 94 73	2 0 3	16	4(3.3), 5(2.7), 9(2.2), 0(1.5)
(9)	4	$a=0$	68 95 41	3 0 4	29	1(24.6), 2(1.5)
(10)	4	$y=1$	73 97 46	6 0 14	21	$\frac{1}{6}$ (2.4), 16(1.6), 36(1.5)
(11)	4	$\angle x = 26$ 度	93 99 88	0 0 1	7	52(1.8), 104(1.4)
(12)	4	$12\pi \text{ cm}^3$	64 95 28	7 0 14	29	15π (4.3), 48π (4.0)
[2] (1)	4	12500 個	82 94 73	2 1 5	16	20(8.3), 12000(1.6)
(2)	4	3 回	60 83 48	3 0 5	37	2(14.9), 2.5(8.6), 4(7.6)
(3)	4	$\frac{7}{10}$	79 94 67	1 0 1	20	$\frac{2}{5}$ (6.4), $\frac{3}{5}$ (3.5)
(4)	4	165	75 95 56	13 2 21	12	167(1.3), 232(1.2)
[3] (1)	4	$y = \frac{5}{3}x + \frac{8}{3}$	68 98 40	6 0 11	26	$\frac{5}{3}x - \frac{8}{3}$ (0.8)
(2)	4	25	27 71 1	25 1 48	48	24(7.4), 16(5.2), 8(2.6)
[4] (1)	4	$30x$ 度	53 90 14	15 3 31	32	$\frac{x}{360}$ (2.7), 60(2.5), $\frac{x}{12}$ (1.8)
(2)	4	$y = \pi x$	26 64 2	36 4 69	38	x (2.8), $\frac{\pi x}{30}$ (2.3)
[5] (1)	4	表面積 $4\pi r^2$	66 96 29	10 0 21	24	$\frac{4}{3}\pi r^2$ (4.1), πr^2 (2.3)
		体積 $\frac{4}{3}\pi r^3$	72 98 39	9 0 20	19	$4\pi r^3$ (2.5), $4\pi r^2$ (2.1)
(2)	4	$2\sqrt{3} \text{ cm}$	10 24 0	18 9 28	72	$3\sqrt{2}$ (24.5), 4(8.6), 3(7.1)
[6] (1)	4	120 度	69 96 53	13 1 27	18	90(4.9), 150(1.9), 60(1.9)
(2)	4	$24\pi - 18\sqrt{3} \text{ cm}^2$	15 36 1	37 20 60	48	12π (4.6), 9π (3.4), 18π (2.7)