

平成 29 年度 テスト A

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	25	85.1 96.8 71.0	0.0 0.0 0.0	14.9	-10(2.0), -14(1.6), -25(1.6)
(2)	4	-4	87.4 96.8 80.6	0.3 0.0 0.0	12.3	4(2.3), -12(1.3), $-\frac{4}{3}$ (1.3)
(3)	4	$\frac{\sqrt{2}}{2}$	78.1 100 58.1	5.0 0.0 12.9	16.9	$\sqrt{2}$ (5.6), $\frac{1}{2}$ (2.9), 2(1.7)
(4)	4	3	63.2 83.9 25.8	2.6 0.0 0.0	34.2	5(17.5), -5(7.9)
(5)	4	$xy+2$	78.1 100 54.8	3.3 0.0 6.5	18.6	$2xy$ (3.3), $2xy^2$ (2.6), $xy+2y$ (2.3), xy^2+2 (2.3)
(6)	4	$(x+3)(x-2)$	72.8 96.8 45.2	6.6 0.0 16.1	20.6	$x=-3$, 2(3.0), $(x-3)(x+2)$ (2.3), $(x-3)(x+3)$ (2.3)
(7)	4	8	79.8 96.8 71.0	6.0 0.0 6.5	14.2	5(3.0), 1(2.3), -8(2.0)
(8)	4	(1, 2)	80.8 100 51.6	6.3 0.0 12.9	12.9	(2, 1) (1.0), (-1, 2) (0.7), (3, 1) (0.7), (3, -2) (0.7)
(9)	4	$\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$	55.3 74.2 19.4	19.5 3.2 38.7	25.2	$ax+b+c$ (1.0), $\frac{-b \pm \sqrt{b^2 - 4ac}}{a}$ (1.0), $\frac{-b \pm \sqrt{-4ac}}{2a}$ (1.0), $\frac{-1 \pm \sqrt{3}}{2}$ (1.0)
(10)	4	$4x+3y \leq 2500$	46.4 74.2 22.6	6.6 0.0 12.9	47.0	$4x+3y < 2500$ (24.8), $4x+3y \geq 2500$ (7.0)
(11)	4	3	78.5 96.8 64.5	1.0 0.0 0.0	20.5	2(15.9), 0(1.0), 1(0.7)
(12)	4	エ	34.1 35.5 32.3	1.7 0.0 6.5	64.2	ウ(41.3), オ(9.9), ア(7.0)
(13)	4	72°	40.7 83.9 6.5	9.3 0.0 12.9	50.0	60° (13.6), 108° (3.6), 36° (3.6)
(14)	4	イ	39.4 64.5 16.1	1.3 0.0 3.2	59.3	ウ(46.3), エ(7.0), ア(6.6)
[2] (1)	4	$\frac{5}{36}$	68.2 93.5 45.2	4.0 0.0 6.5	27.8	$\frac{1}{6}$ (8.9), $\frac{5}{12}$ (2.3), $\frac{1}{2}$ (2.0)
(2)	4	6	64.2 87.1 45.2	3.0 0.0 0.0	32.8	7(9.6), 5(5.3), 5.5(3.6), 3(3.6)
(3)	4	55	67.5 90.3 48.4	3.0 0.0 3.2	29.5	27(4.3), 30(3.3), 54(2.0)
[3] (1)	4	$a=2, b=6$	46.4 83.9 19.4	25.8 3.2 51.6	27.8	$a=12, b=6$ (2.3), $a=6, b=12$ (2.3)
(2)	4	11L	41.4 77.4 9.7	21.9 0.0 48.4	36.7	5(7.0), 10(1.7), 15(1.7), 4.5(1.7)
[4] (1)	4	-2	56.3 90.3 12.9	17.5 0.0 35.5	26.2	2(8.3), -1(3.3)
(2)	4	(2, -8)	50.3 87.1 12.9	14.9 0.0 35.5	34.8	(2, 8) (7.9), (2, 6) (3.0)
[5] (1)	4	$\frac{15}{2}$ cm	62.9 93.5 32.3	5.0 0.0 6.5	32.1	7(16.2), 8(2.6), 5(1.3)
(2)	4	16 : 25	31.8 61.3 0.0	13.2 6.5 22.6	55.0	1 : 2(7.6), 4 : 5(7.3), 2 : 3(7.0)
[6] (1)	4	エ	76.2 100 51.6	2.3 0.0 3.2	21.5	イ(11.6), ウ(5.6), ア(3.6)
(2)	4	36cm^2	18.5 35.5 0.0	19.5 6.5 41.9	62.0	12(13.6), 24(6.0), 6(5.0)