

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	7	69.1 84.8 55.6	0.0 0.0 0.0	30.9	- 23 (14.2), 57 (5.1)
(2)	4	$\frac{-x+y}{6}$	41.7 49.7 24.5	0.1 0.0 0.0	58.2	$\frac{-x-11y}{6}$ (32.1), $-x+y$ (9.7), $\frac{-x+11y}{6}$ (1.6)
(3)	4	$x = -3, y = \frac{9}{2}$	58.6 78.1 43.0	4.4 0.0 8.6	37.0	$x = 3, y = -3$ (13.4), $x = \frac{5}{3}, y = -\frac{4}{3}$ (4.5)
(4)	4	$xy(4x+3y)(4x-3y)$	76.4 99.3 56.3	5.4 0.0 11.3	18.2	$xy(16x^2-9y^2)$ (6.1), $xy(4x-3y)^2$ (1.1)
(5)	4	$4\sqrt{3}-4$	62.2 79.5 35.8	1.4 0.0 3.3	36.4	2 (5.9), -4 (5.6), 4 (4.3)
(6)	4	ア $5(x+1)^2 = (2x)^2 - 11$	65.5 91.4 30.5	4.7 0.0 7.3	29.8	$5(x+1)^2 = 2x^2 - 11$ (12.6), $5(x+1)^2 = (2x)^2 + 11$ (4.5)
	4	イ $x = -8, -2$	53.2 86.1 17.2	13.4 1.3 27.2	33.4	$\frac{-5 \pm \sqrt{23}}{3}$ (7.3), $-5 \pm \sqrt{31}$ (4.2)
(7)	4	8	78.7 95.4 59.6	3.0 0.0 4.0	18.3	4 (3.0), 6 (2.2), 2 (1.7)
(8)	4	$n = 2, 3, 7$	32.8 47.0 19.9	11.9 1.3 21.2	55.3	1, 2, 3, 7 (8.6), 1, 3, 7 (3.7), 2, 3 (3.4)
(9)	4	$\frac{p-1}{10}$	49.4 79.5 9.3	17.5 1.3 41.7	33.1	$\frac{1+p}{10}$ (3.6), $\frac{1-p}{10}$ (2.6), $\frac{p}{10}$
(10)	4	$a=6, k=\frac{1}{2}$	57.0 86.8 20.5	16.7 1.3 37.7	26.3	$a=6, k=2$ (5.4), $a=0, k=2$ (2.5)
(11)	4	$\angle x = 49$ 度	69.4 87.4 37.7	1.8 0.7 4.0	28.8	59 (15.0), 54 (1.4), 13 (1.3)
(12)	4	$\sqrt{2} \text{ cm}^2$	30.1 57.0 3.3	30.2 18.5 47.0	39.7	$\sqrt{3}$ (7.7), 2 (6.0), $2\sqrt{2}$ (2.6)
[2] (1)	4	6	81.9 93.4 64.9	1.0 0.0 1.3	17.1	5 (9.9), 5.5 (3.2)
(2)	4	$\frac{7}{18}$	72.1 88.1 62.3	2.4 0.0 3.3	25.5	$\frac{13}{36}$ (6.6), $\frac{1}{4}$ (2.6), $\frac{5}{12}$ (2.4)
(3)	4	4	63.4 86.1 55.0	8.0 3.3 9.9	28.6	3 (8.3), 2 (5.7), 0 (2.2)
(4)	4	ア, カ	36.8 62.9 7.3	8.3 2.0 20.5	54.9	イ, キ (8.6), ウ, カ (7.6) ウ, エ (3.4), ア, ク (3.4)
[3] (1)	4	$y = \frac{1}{2}x + 6$	73.9 96.7 41.1	7.9 0.0 17.9	18.2	$y = 2x + 12$ (1.0)
(2)	4	(-10, -5)	43.6 86.1 2.6	24.8 1.3 53.6	31.6	$\left(-9, -\frac{9}{2}\right)$ (2.1), $\left(-5, -\frac{5}{2}\right)$
[4] (1)	4	$y = \frac{1}{2}x^2$	48.8 76.8 9.3	19.1 0.7 48.3	32.1	$y = 2x$ (13.0), $y = \frac{1}{2}x$ (2.9)
(2)	4	$y = 4x - 8$	22.4 46.4 0.0	30.8 7.3 66.9	46.8	$y = 4x + 8$ (7.3), $y = 4x$ (4.7)
[5] (1)	4	$\frac{32}{3}\pi \text{ cm}^3$	56.7 84.8 18.5	9.2 0.7 20.5	34.1	$\frac{256}{3}\pi$ (5.1), $\frac{16}{3}\pi$ (3.2)
(2)	4	$32\sqrt{3}\pi \text{ cm}^3$	15.0 28.5 0.0	27.0 9.3 49.7	58.0	$\frac{64\sqrt{2}}{3}\pi$ (11.3), $\frac{256}{3}\pi$ (5.7)
[6] (1)	4	$4\sqrt{5} \text{ cm}^2$	59.9 89.4 23.8	9.9 0.0 23.8	30.2	9 (6.5), 12 (2.9), 10 (2.4)
(2)	4	$4\sqrt{5} \text{ cm}^2$	21.7 39.1 1.3	41.2 14.6 76.2	37.1	$\frac{15}{2}\pi + 4\sqrt{5}$ (1.2), $-\frac{9}{2}\pi + 4\sqrt{5}$