

正解・解答例

1

(1) $a = 82$ 。中央値は 81.5

(2) $8(1 - i)$

(3) 省略

(4) 独立である

(5) $\frac{V}{2}$

2

(1) 省略

(2) $m > -3$

(3) $S = \frac{1}{2}(m + 3)^2$

(4) $m = -3 + 2\sqrt{3}$

3

(1) 省略

(2) 省略

(3) $\frac{1}{6}$

4

(1) $a_n = n - \log n!$

(2) $b_n = \frac{e^n}{n!}$

(3) 省略

(4) 0

5

(1) $4x^3 - 3x$

(2) $40^\circ, 80^\circ, 160^\circ$

(3) $a = -4(\alpha + \beta + \gamma), b = 4(\alpha\beta + \beta\gamma + \gamma\alpha), c = -4\alpha\beta\gamma$

(4) $\frac{1}{8}$