

数 学

①—解答 (1)ア. $\frac{29}{8}$ (2)イ. $-\frac{1}{8} \leq k \leq 3$ (3)ウ. $\frac{\pi}{6}$
(4)エ. $\frac{1}{6}(2n^3 - 3n^2 + n + 12)$ (5)オ. 17

②—解答 (1)ア. 3 (2)イ. $\frac{3}{8}$ (3)ウ. $\frac{4}{9}$ (4)エ. $\frac{1}{6}$ (5)オ. $\frac{25}{72}$

③—解答 (1)ア. 14 (2)イ. 10.00 (3)ウ. 32
(4)エ. 18 オ. 14

④—解答 (1)ア. $y = 2ax - a^2$ (2)イ. $\left(\frac{a}{2}, 0\right)$
(3)ウ. $\frac{1}{12}a^3$ (4)エ. $-\frac{1}{3}a^3 + 2a^2 - 4a + \frac{8}{3}$
(5)オ. $\frac{8}{27}$