

I.

(i) 偽 真 偽

(ii) $\frac{3\sqrt{3}}{4}$ $\frac{3\sqrt{3}}{2}$

(iii) $\sqrt{10}$ 90°

(iv) -6 11 -6

(v) $(n-1)n$

(vi) 6

(vii) $\frac{\sqrt{6}-\sqrt{2}}{4}$

(viii) $12x^2-18x+1$ $x^3+\frac{7}{2}x^2+x+C$

(ix) 3 4

(x) $\frac{144}{5}$

II.

$$(i) \quad y = (4 - 2a)x + a^2$$

$$(ii) \quad S = \left| \frac{4}{3} a^3 \right|$$

Ⅲ.

(i)

N	2	3	4	5	6	7	8	9	10	11	12
場合の数	1	2	3	4	5	6	5	4	3	2	1

(ii) $\frac{1}{162}$

(iii) $\frac{73}{648}$

(iv) $\frac{41}{1296}$