

受験数学検定解答

2 級

$$2-1 \quad \frac{\vec{a} \cdot \vec{x}}{|\vec{a}|^2} \vec{a}$$

$$2-2 \quad \frac{1}{4}(\vec{OA} + \vec{OB} + \vec{OC} + \vec{OD})$$

$$2-3 \quad s > 0 \text{ かつ } t > 0 \text{ かつ } u > 0 \text{ かつ } s + t + u < 1$$

$$2-4 \quad \frac{4}{9}\pi$$

$$2-5 \quad x_0x + y_0y = r^2$$

$$2-6 \quad \frac{3V}{r}$$

$$2-7 \quad 4$$