

## 受験数学検定解答

### 2 級

2 - 1 ⑤

2 - 2 ①

2 - 3 ①

2 - 4  $pA + qE$  ( $p, q$  は実数)

2 - 5 
$$\begin{pmatrix} \alpha^n & n\alpha^{n-1} \\ 0 & \alpha^n \end{pmatrix}$$

2 - 6 ②

2 - 7 
$$\begin{pmatrix} \frac{1-m^2}{1+m^2} & \frac{2m}{1+m^2} \\ \frac{2m}{1+m^2} & -\frac{1-m^2}{1+m^2} \end{pmatrix}$$

2 - 8  $a = 3, \quad x + 3y = 0$

2 - 9  $2(\beta - \alpha)$