
6 行列式の性質

問題 6.1. (1) -18 . (2) 25 . (3) 80 . (4) -89 . (5) 150 . (6) 39 . (7) 4 . (8) -222 .

問題 6.2. (1) -6 . (2) -91 . (3) 391 . (4) -115 . (5) 5 . (6) -95 . (7) 4 . (8) -55 .

問題 6.3.

$$(1) |A| = -111, |B| = 6, |AB| = -666, |A^{-1}| = -\frac{1}{111}, |B^3| = 216.$$

$$(2) |A| = -96, |B| = -8, |AB| = 768, |A^{-1}| = -\frac{1}{96}, |B^3| = -512.$$

問題 6.4. (1) $a - 7$. (2) $-22x - 18$. (3) $3x - 9y - 63$. (4) $a^4 + 2a^3 - 2a^2 + 8$.