

WebAssign
CH 3.1 (Homework)Yinglai Wang
MA 265 Spring 2013, section 132, Spring 2013
Instructor: Alexandre Eremenko**Current Score :** 20 / 20 **Due :** Thursday, January 31 2013 11:40 PM EST1. 6.66/6.66 points | [Previous Answers](#)


KolmanLinAlg9 3.1.003.

Determine whether each of the following permutations of $S = \{1, 2, 3, 4\}$ is even or odd.

(a) 4123

☐ even


☒ odd



(b) 1243

☐ even


☒ odd



(c) 1234

☒ even

☐ odd



2. 6.66/6.66 points | [Previous Answers](#)

KolmanLinAlg9 3.1.005.

Determine the sign associated with each of the following permutations of the column indices of a 5×5 matrix.

(a) 25134

☒ +

☐ -

✓

(b) 31254

☐ +

☒ -

✓

(c) 21354

☒ +

☐ -

✓

3. 6.68/6.68 points | [Previous Answers](#)

KolmanLinAlg9 3.1.011.

Evaluate.

(a) $\det \begin{pmatrix} 6 & 3 & 8 \\ 2 & 3 & 3 \\ 3 & 2 & 7 \end{pmatrix}$

35

 ✓

(b) $\begin{vmatrix} -4 & -2 & 1 \\ -2 & -1 & 2 \\ -1 & -6 & -1 \end{vmatrix}$

-33

 ✓

(c) $\det \begin{pmatrix} 0 & 0 & 0 & 6 \\ 0 & 0 & 1 & 0 \\ 0 & 8 & 0 & 0 \\ 4 & 0 & 0 & 0 \end{pmatrix}$

192

 ✓