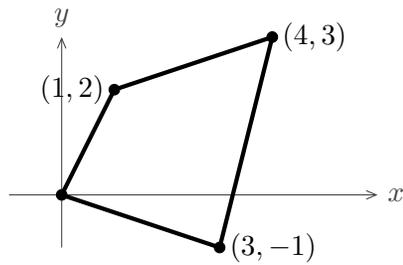# Determinants and areas

1. a) Compute $\begin{vmatrix} 1 & 2 \\ 3 & 4 \end{vmatrix}$.

b) Compute $\begin{vmatrix} 1 & -2 \\ -3 & 4 \end{vmatrix}$.

c) Compute $\begin{vmatrix} 3 & 4 \\ 1 & 2 \end{vmatrix}$.

2. Find the area of the quadrilateral shown.

18.02SC Multivariable Calculus
Fall 2010