

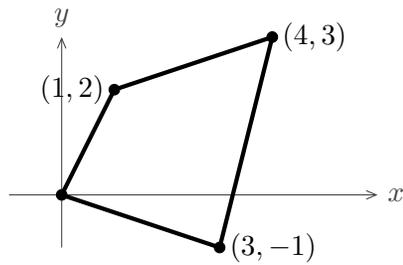
Determinants and areas

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.



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18.02SC Multivariable Calculus
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