

4.4 applications of Determinants

o. The Solution of
$$Ax = lb$$
 (Cramer's Rule)

 $\chi_{\overline{J}} = \frac{\det B_{\overline{J}}}{\det A}$, where $B_{\overline{J}} = \begin{bmatrix} \alpha_{11} & \alpha_{1\overline{J}+1} &$

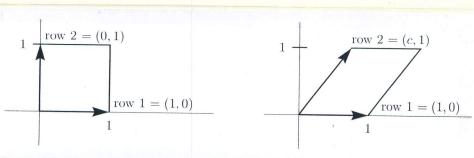


Figure 4.3 The areas of a unit square and a unit parallelogram are both 1.