10.7.81

$\mathbf{V}$	$\mathbf{u}$	f
$\begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$	$\begin{pmatrix} 5 \\ 5 \end{pmatrix}$	25

$$O_2 : g(\mathbf{x}) = \mathbf{x}^\top \mathbf{V} \mathbf{x} + 2\mathbf{u}^\top \mathbf{x} + f \tag{0.8}$$

$\mathbf{V}$	$\mathbf{u}$	f
$\begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$	$\begin{pmatrix} -3 \\ -1 \end{pmatrix}$	-15

10.7.81