Solution (\#1138) In terms of the $\tilde{X}$ and $\tilde{Y}$ co-ordinates the foci are $( \pm 1,0)$ and directrices $\tilde{X}= \pm 2$. In the original co-ordinates the directrices have equations

$$
2 x-y=2 \pm 2 \sqrt{5}
$$

and the foci are $x=1 \pm 2 / \sqrt{5}$ and $y=\mp 1 / \sqrt{5}$.

