**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

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

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