We know $\frac{PF}{PD} = .2$ forany point Pour the ellipse

To quid V,

$$5-V_1 = .2V_1$$
 $25-5V_1 = V_1$
 $V_1 = \frac{25}{6}$

This is almost a circle

To find V2

$$V_2 - 5 = .2V_2$$

$$5V_2 - 25 = V_2$$

$$V_2 = \frac{25}{4}$$

To find L:

$$\frac{x^2}{9} + \frac{y^2}{16} = 1$$
 $b = 4$ $a = 3$ $c = \sqrt{16-9} = 47$

center is (0,0) vertexes are (3,0) and (0,4)

excentricity =
$$\frac{c}{b} = \frac{r_{\overline{r}}}{4}$$

