

7.

$$(y+3)^2 = -8(x-1)$$

B

$$(y+3)^2 = 4(-2)(x-1)$$

$$k = -3$$

$$p = -2$$

$$h = 1$$

$$\text{Vertex: } (h, k) = (1, -3)$$

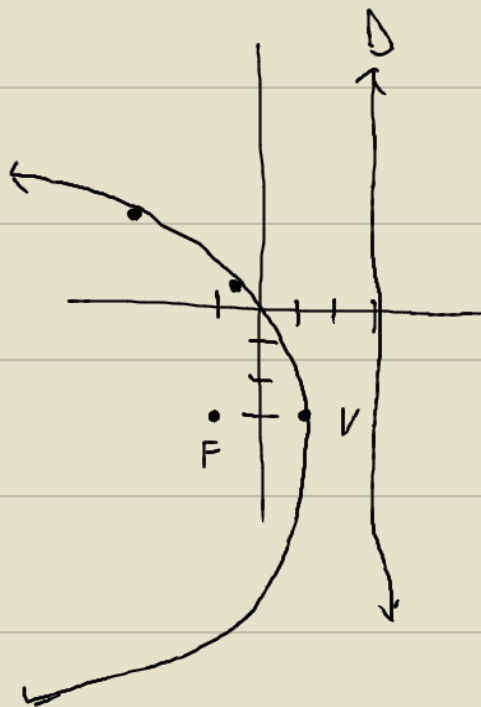
$$\text{Focus: } (h+p, k) = (1-2, -3)$$

$$(-1, -3)$$

$$\text{Dir: } x = h - p$$

$$x = 1 - (-2)$$

$$x = 3$$



$$8. (x-1)^2 = -(y+2)$$

T

$$(x-1)^2 = 4\left(-\frac{1}{4}\right)(y+2)$$

$$h = 1$$

$$p = -\frac{1}{4}$$

$$k = -2$$

$$\text{Vertex: } (h, k) = (1, -2)$$

$$\text{Focus: } (h, k+p) = (1, -2 - \frac{1}{4})$$

$$(1, -\frac{9}{4})$$

Dir:

$$y = k - p$$

$$y = -2 - (-\frac{1}{4})$$

$$y = -2 + \frac{1}{4}$$

$$y = -\frac{7}{4}$$

