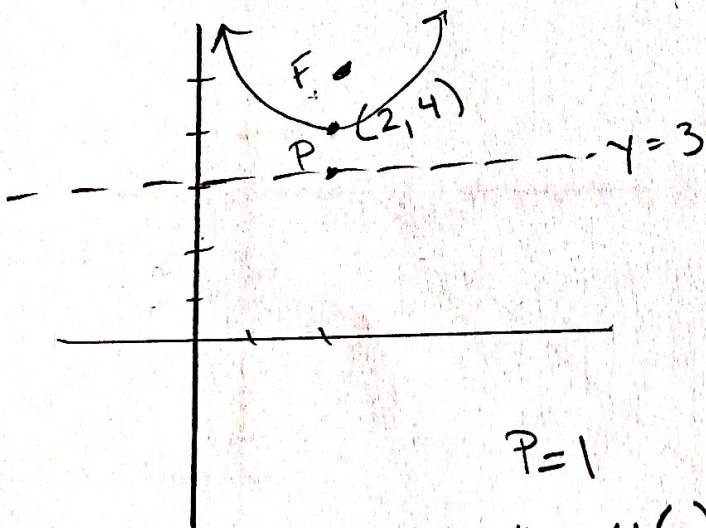


## Warm-up 10: Parabolas

Write the standard form of the equation of the parabola with focus  $(2, 5)$  and directrix  $y = 3$ .



$$p = 1$$

$$4p = 4(1) = 4$$

$$(x-h)^2 = 4p(y-k)$$

$$(x-2)^2 = 4(y-4)$$