

(2)  $r \cos(\theta - \alpha) = a$

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

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

### 極座標と極方程式(3)

例 題

1 証明略

2  $r = \frac{a}{1 + \cos \theta}$

3  $r^2 \cos 2\theta = 2$

練習問題

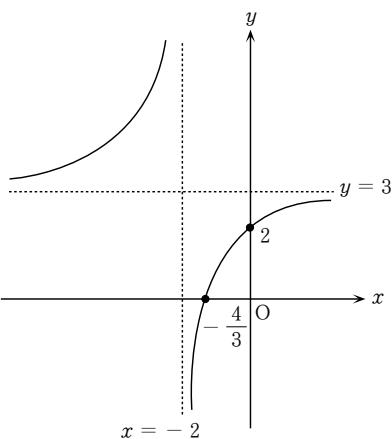
1 証明略

2  $r = \frac{ea}{1 + e \cos \theta}$

3 (1)  $r^2 = a^2 \cos 2\theta$

(2) 証明略

2 (1)

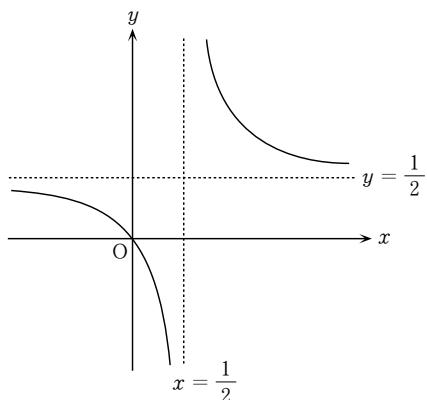


(2)  $x = -2, y = 3$

(3)  $x \neq -2$

(4)  $y \neq 3$

3 (1)



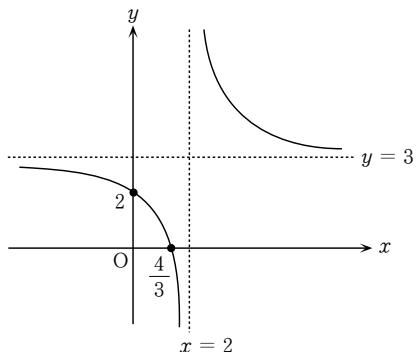
(2)  $x = \frac{1}{2}, y = \frac{1}{2}$

(3)  $x \neq \frac{1}{2}$

(4)  $y \neq \frac{1}{2}$

練習問題

1 (1)



(3)  $x = 1, y = 3$

(4)  $x \neq 1$

(5)  $y \neq 3$