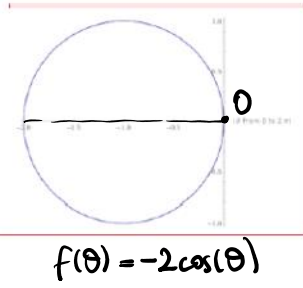
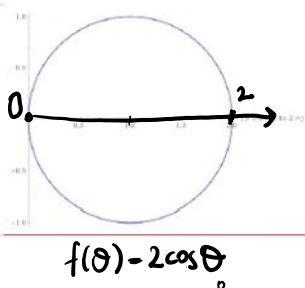
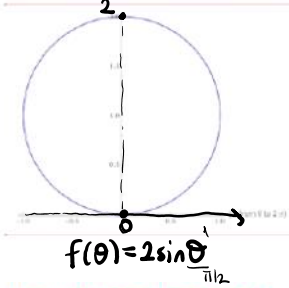
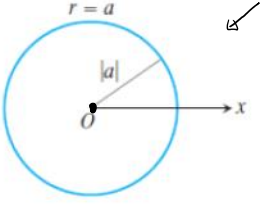


7. Hafta Salı Dersi - Kutupsal Eğri Çeşitleri

02 Mart 2021 Salı 12:44

$$r = f(\theta)$$

Cember ve Doğru



$$r = a$$

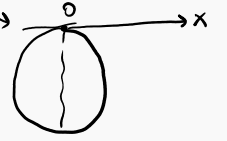
$a > 0 \quad a \rightarrow \text{çap}$

$$r = 2 \sin(\theta)$$

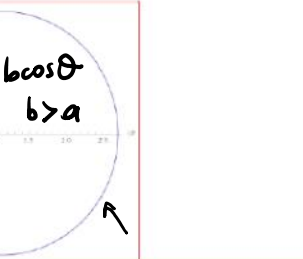
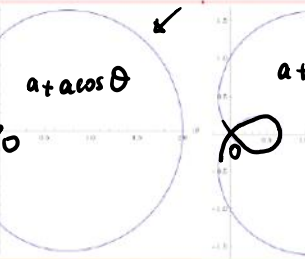
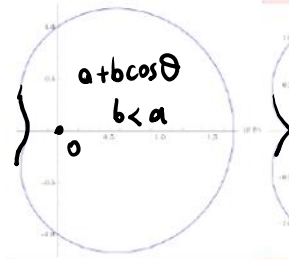
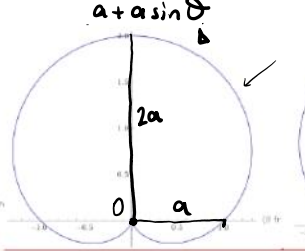
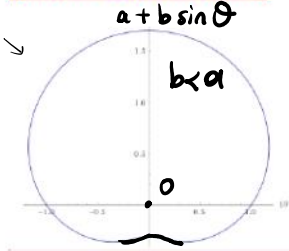
$$r = 2 \cos(\theta)$$

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

$$r = -2 \sin(\theta)$$



Kardioidler ve Limaçonlar



$$r = 1 + (0.7) \sin(\theta)$$

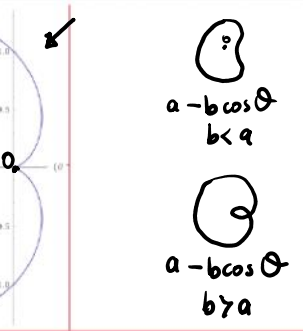
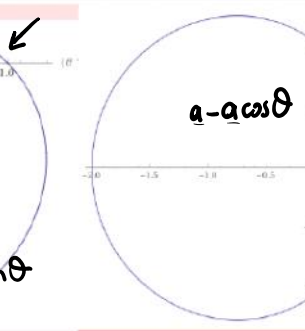
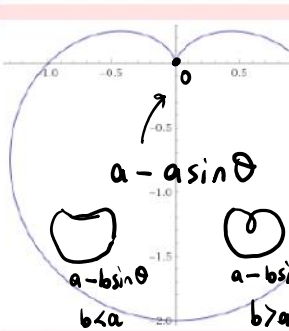
$$r = 1 + \sin(\theta)$$

$$r = 1 + (1.7) \sin(\theta)$$

$$r = 1 + (0.7) \cos(\theta)$$

$$r = 1 + \cos(\theta)$$

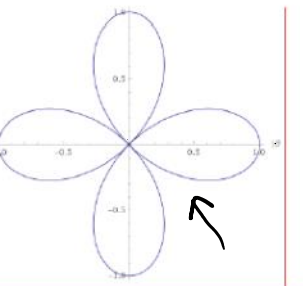
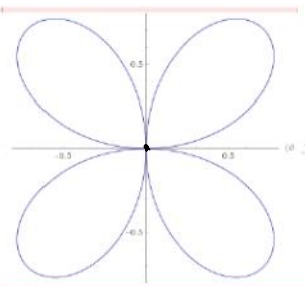
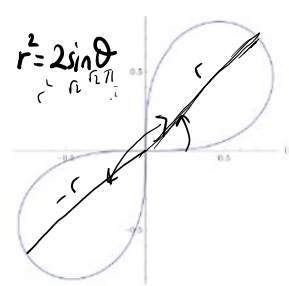
$$r = 1 + (1.7) \cos(\theta)$$



$$r = 1 - \sin(\theta)$$

$$r = 1 - \cos(\theta)$$

Diğer bazı özel eğriler



$$r^2 = 2 \sin(\theta) \text{ Lemniskat}$$

$$r = \sin(2\theta) \text{ dört yapraklı yonca}$$

$$r = \cos(2\theta) \text{ dört yapraklı yonca}$$