

Adı Soyadı:

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1) Aşağıdaki grafikleri x-y düzleminde çizin.

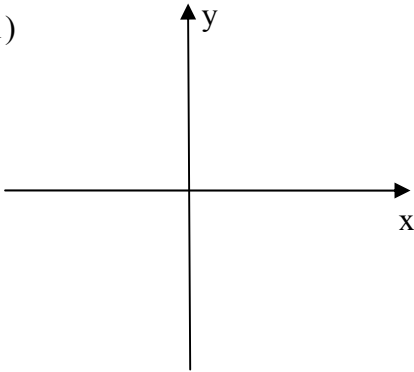
a) $x^2 + ay^2 = r$ b) $x + by^2 = r$ c) $x^2 + cy = r$

2) $z = T - R(x^2 + y^2)$ yüzeyini x-y-z uzayında çizin.3) $f(x,y) = \sqrt{\frac{y-x^2}{x-1}}$ fonksiyonunun tanım bölgesini x-y düzleminde çizin.

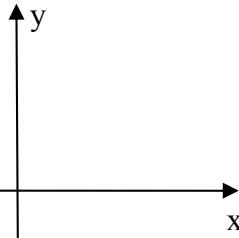
4) A(F,G,H), B(L,M,N) noktalarından geçen doğru denklemini x,y,z kartezyen koordinat ekseninde yazın.

5) 4) de elde ettiğiniz doğru denklemini parametrik olarak $r(t) = \dots i + \dots j + \dots k$ şeklinde ifade edin.6) $A = (Ft+G) i + (Gt+H) j + (Ht+F) k$, $b = (Lt^q) i + (Mt^3) j + (Nt^4) k$,A.B ve $A \times B$ yi hesaplayın.

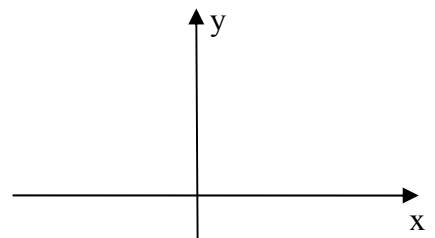
1)



a)

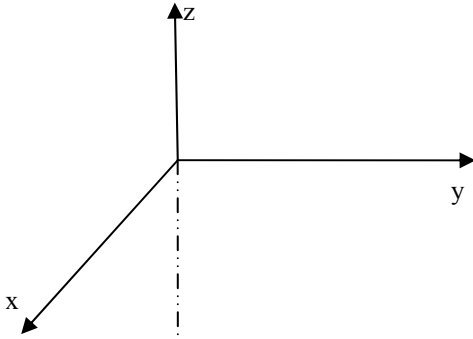


b)

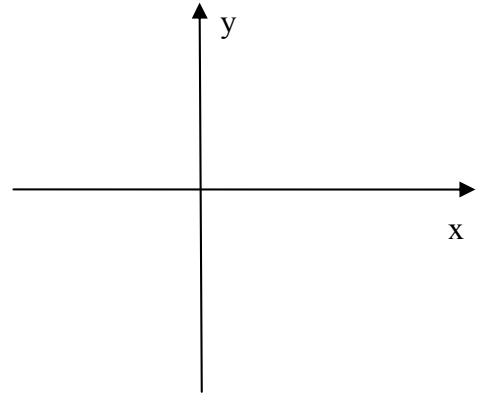


c)

2)



3)



4)

5)

6a)

6b)