**BİR BOYUTTA SABİT İVMELİ HAREKET**

* **Hatırlatma**

**Konum**

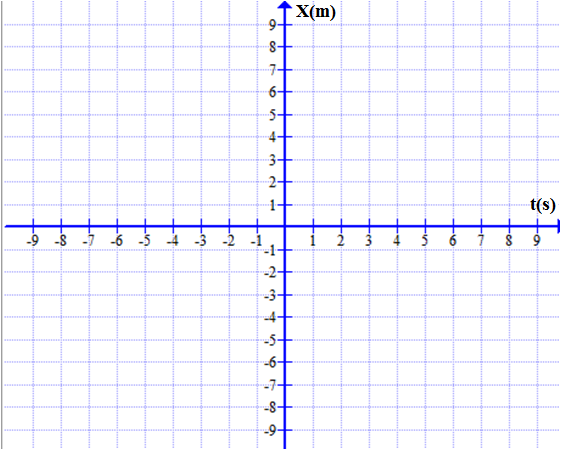
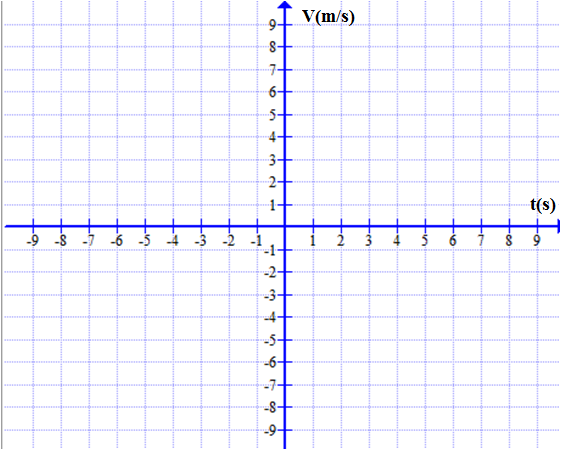
**Yerdeğiştirme**

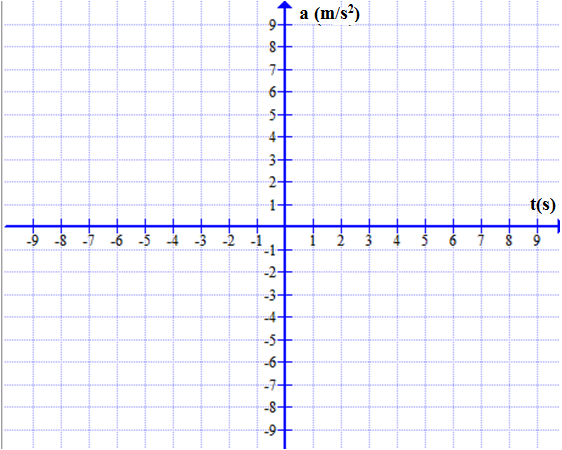
**Hız**

**İvme**

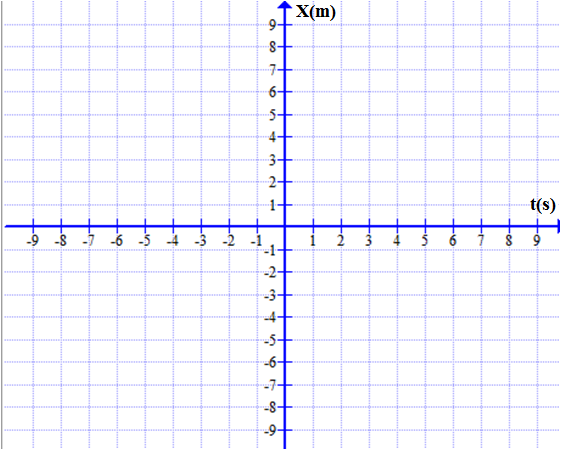
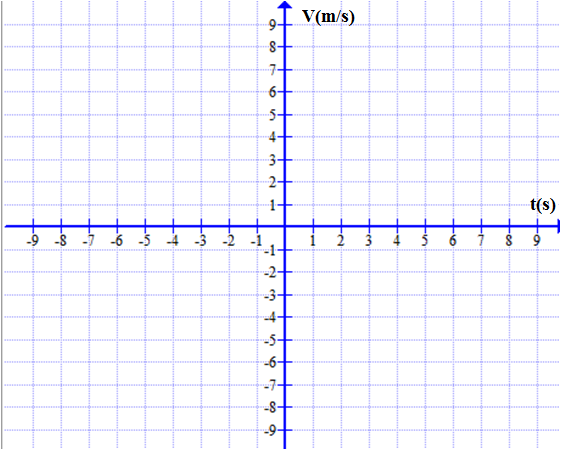
* **Havasız Ortamda Serbest Düşme**

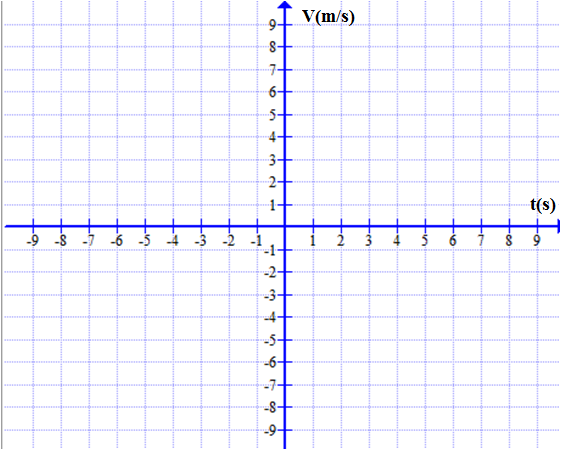
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Zaman (s)** | **0** | **1** | **2** | **3** | **4** | **5** |
| **Konum (m)** | **0** | **5** | **20** | **45** | **80** | **125** |

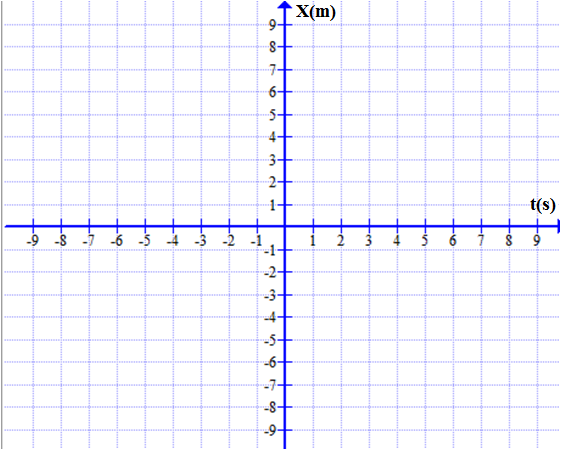
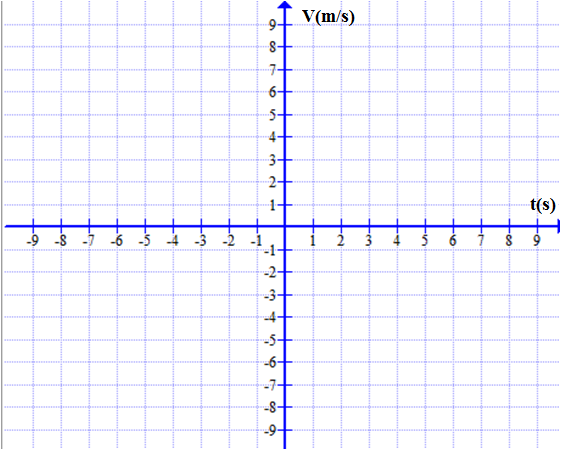
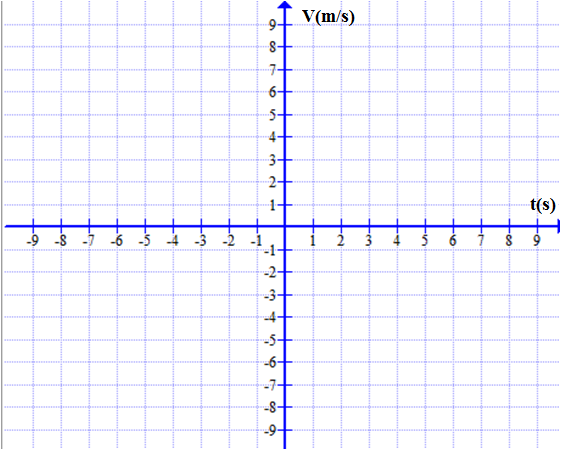
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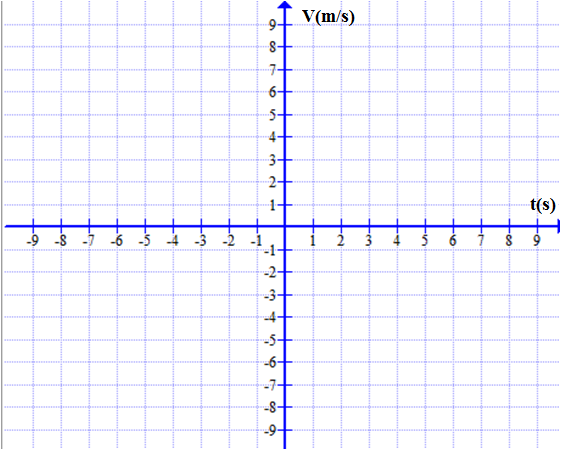
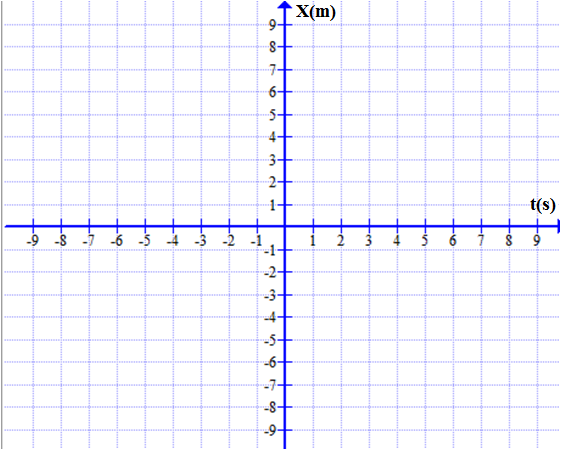
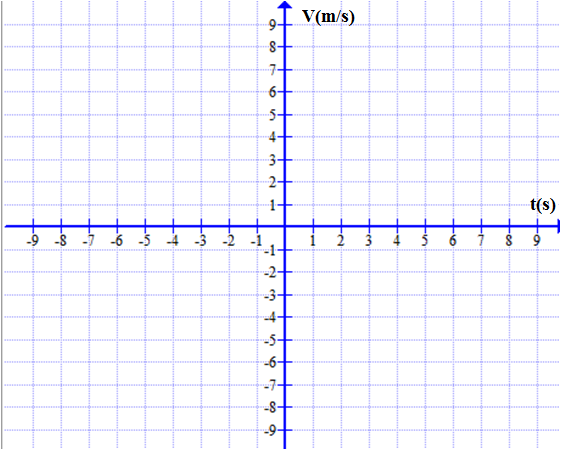


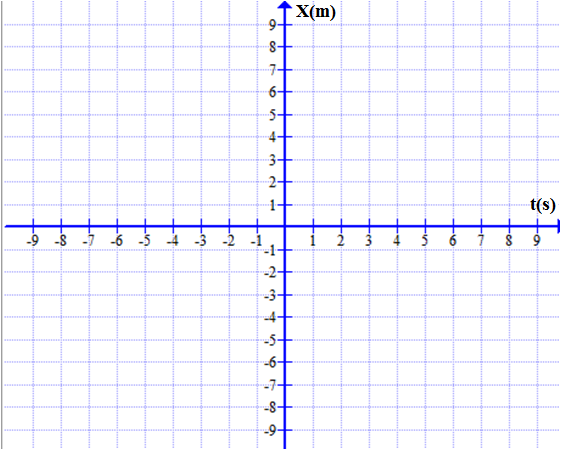
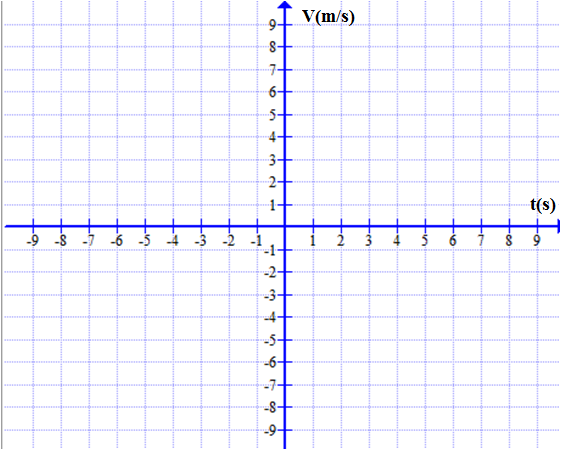
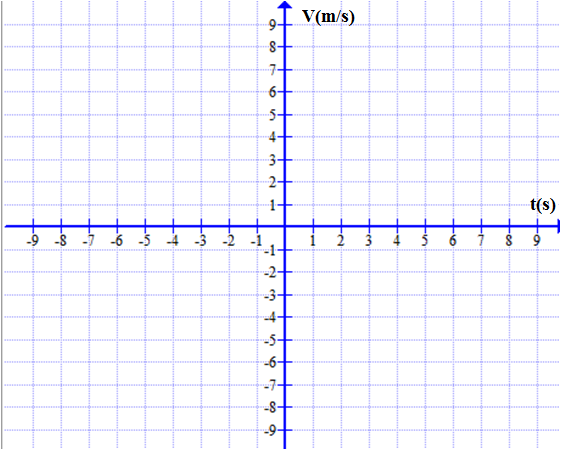
**Soru:** 10 m/s ilk hız ile aşağıya doğru dik bir şekilde fırlatılan topun hareketi süresince konum-zaman, hız-zaman ve ivme-zaman grafiklerini çiziniz.



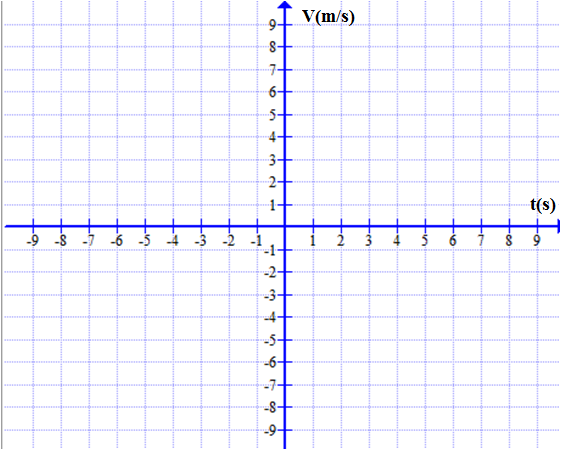
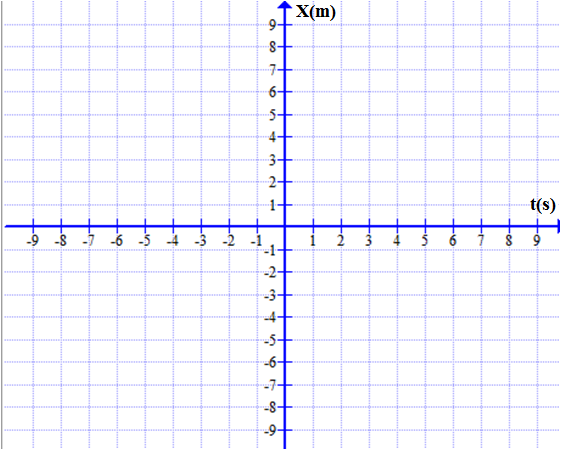
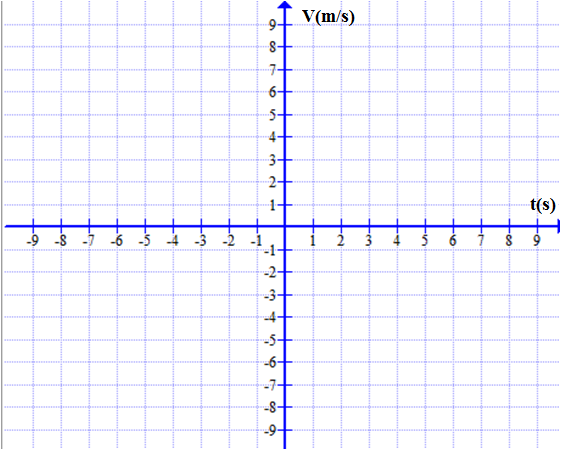


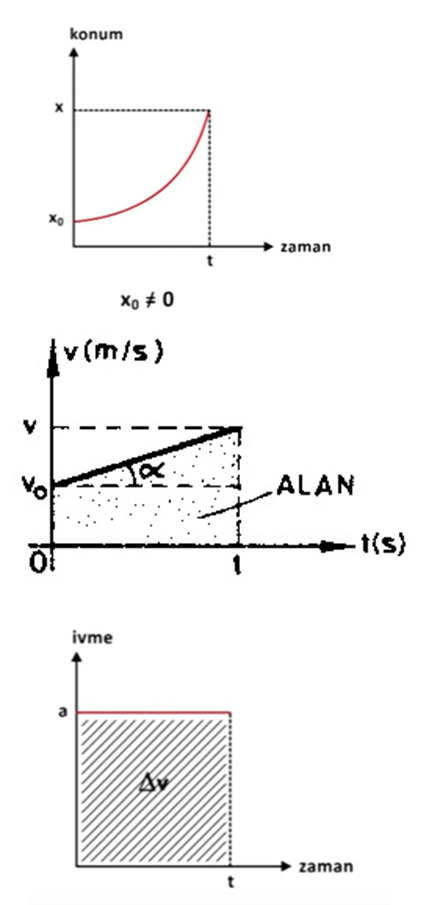
**Soru:** Bir top yerden yukaruya doğru dik bir şekilde 30 m/s hız ile atılıyor. Topun hareketi süresince konum-zaman, hız-zaman ve ivme-zaman grafiklerini çiziniz.

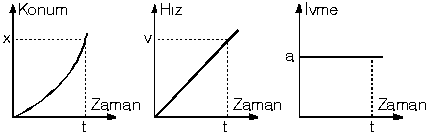
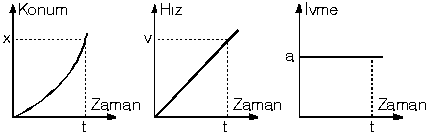
**Soru:** Durmakta olan bir bisikletli 1 m/s2 sabit ivme ile batıya doğru hareket etmektedir. Bisikletlinin hareketi süresince konum-zaman, hız-zaman ve ivme-zaman grafiklerini çiziniz.

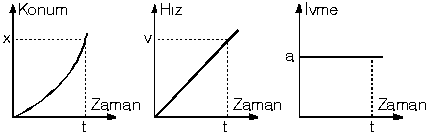
**Soru**: 12 m/s hızla batıya doğru hareket etmekte olan bisikletli eve yaklaşırken 2 m/s2 sabit ivme ile yavaşlayıp duruyor. Bisikletlinin hareketi süresince konum-zaman, hız-zaman ve ivme-zaman grafiklerini çiziniz.

**Soru**: Durmakta olan bir bisikletli 1 m/s2 sabit ivme ile doğuya doğru hareket etmektedir. 3. saniyede yorulur ve hızını sabitleyerek hareketini sürdürür. 6. saniyede durmaya karar verir ve 2 m/s2 sabit ivme ile yavaşlayarak durur. Hareketlinin hareketi süresince konum-zaman, hız-zaman ve ivme-zaman grafiklerini çiziniz.

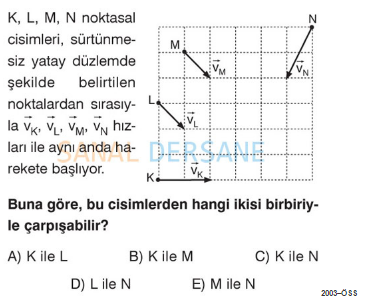
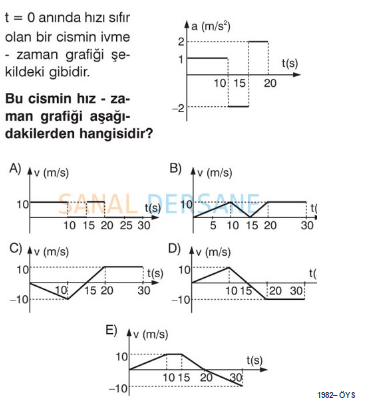


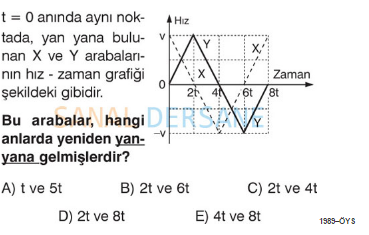
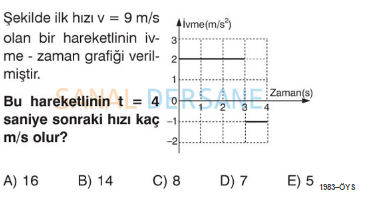
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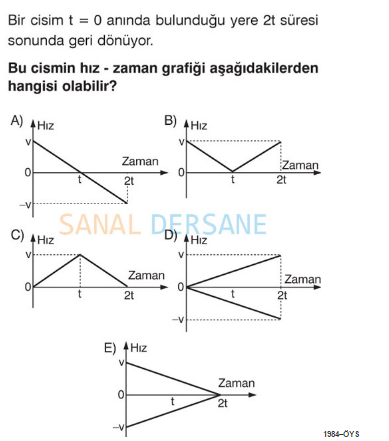
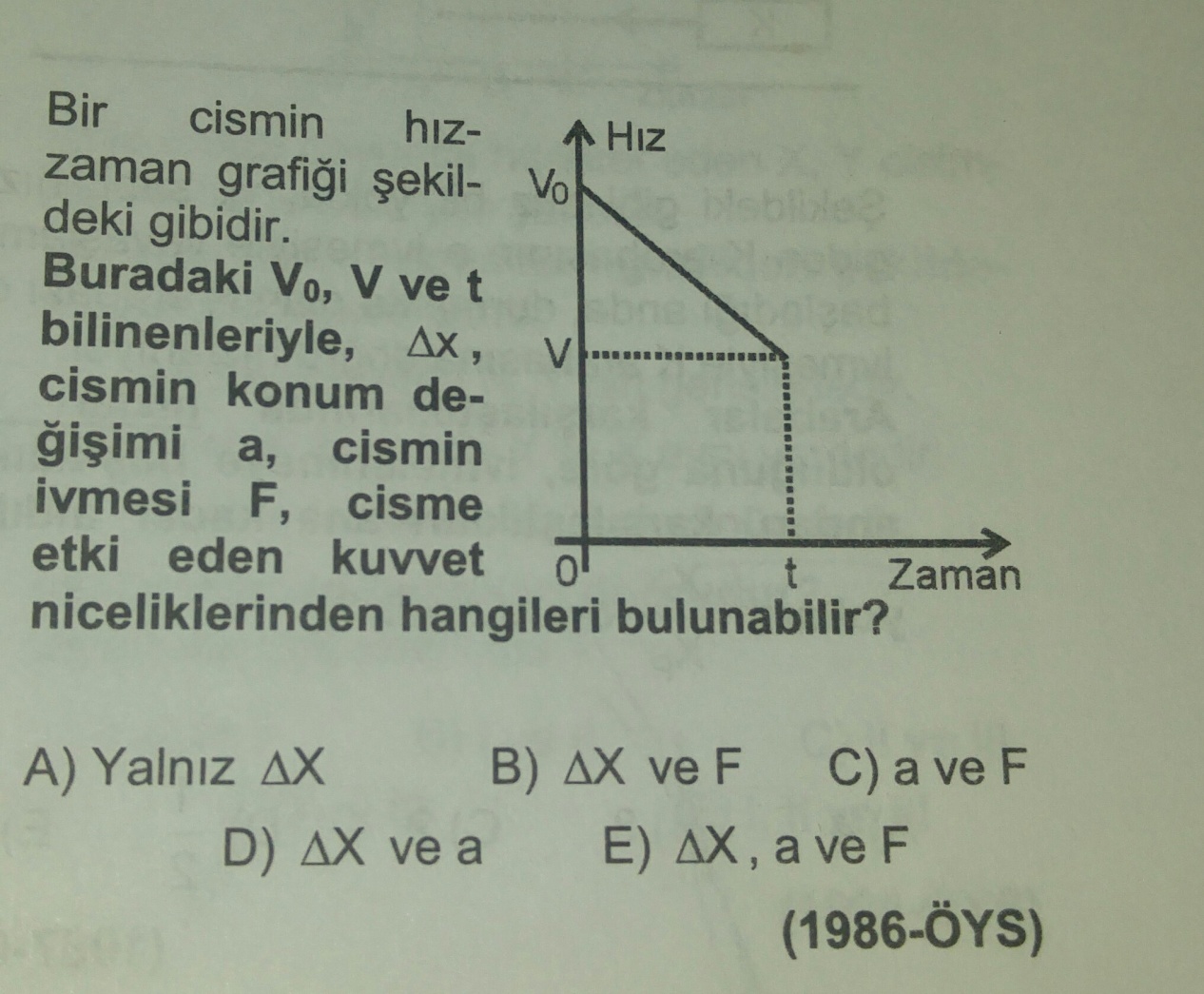


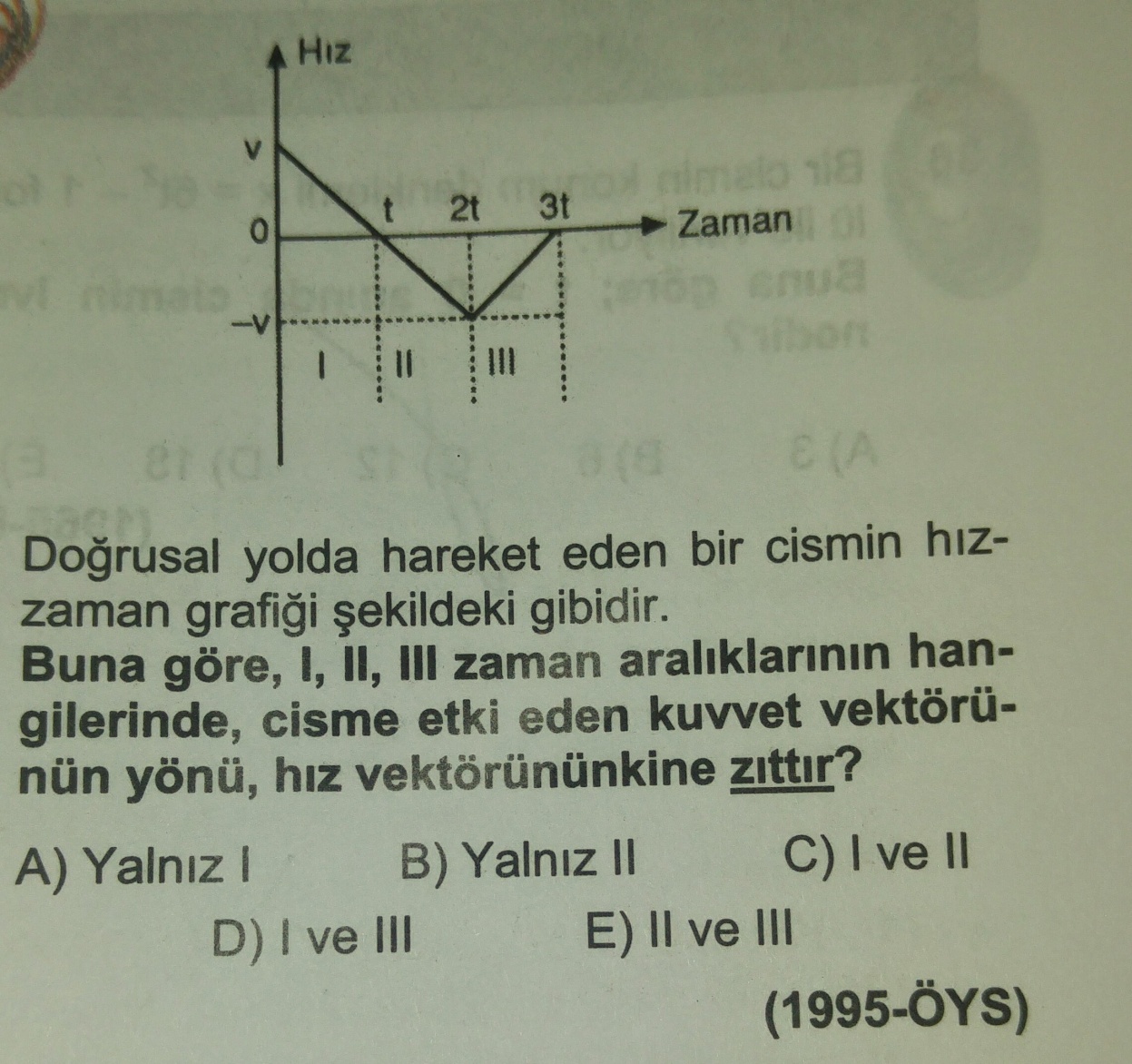
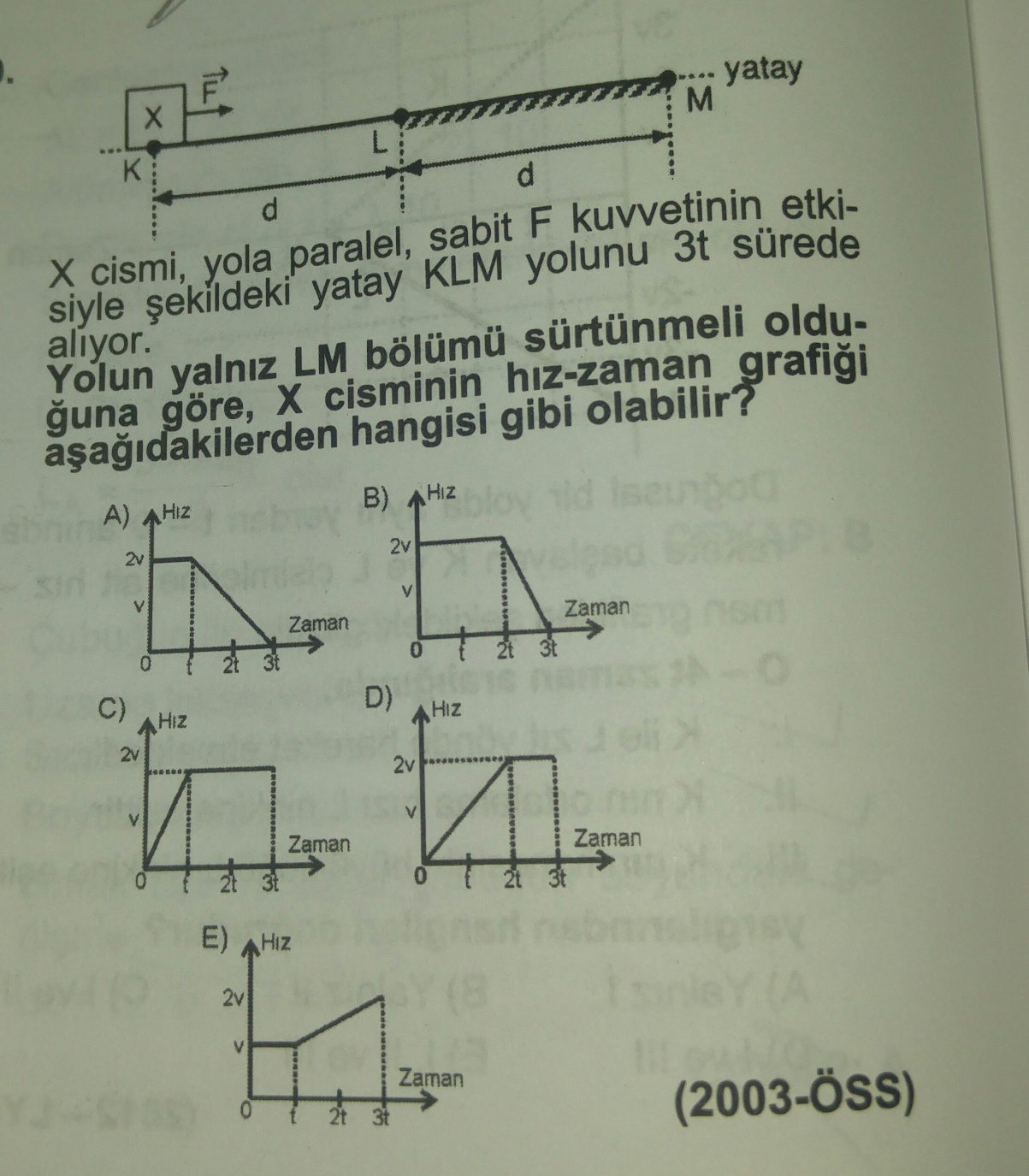


**Zamansız Hız Denklemi:**

**Sorular:**

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