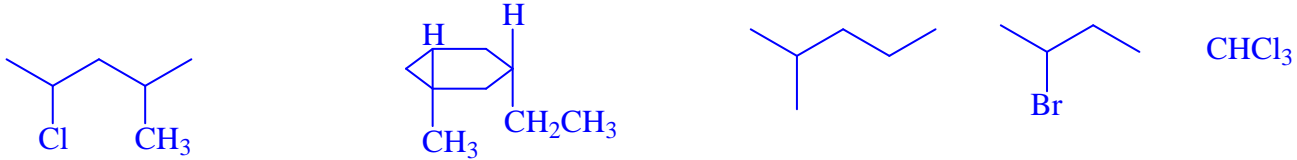




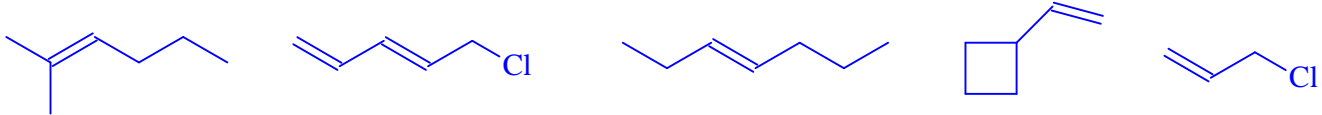
Adı Soyadı:	Numarası:	Tarih: 10/11/2012
Dersin Adı: <i>Organik Kimya I</i> (Arasınav)	Bölümü: <i>Kimya Tekn.</i>	
Yarıyıl: <i>Güz-2014</i>	Sınıfı: <i>II</i>	Übesi: <input type="checkbox"/> N.Ö: <input checked="" type="checkbox"/> .Ö: <input type="checkbox"/> Ö retcinin mzası: <input type="checkbox"/>
Ö retim Elemanının Adı Soyadı: <i>Prof. Dr. Mustafa ODABA O LU</i>		

1. A a ıda adları verilenlerin bile iklerin formüllerini yazınız (20 Puan).

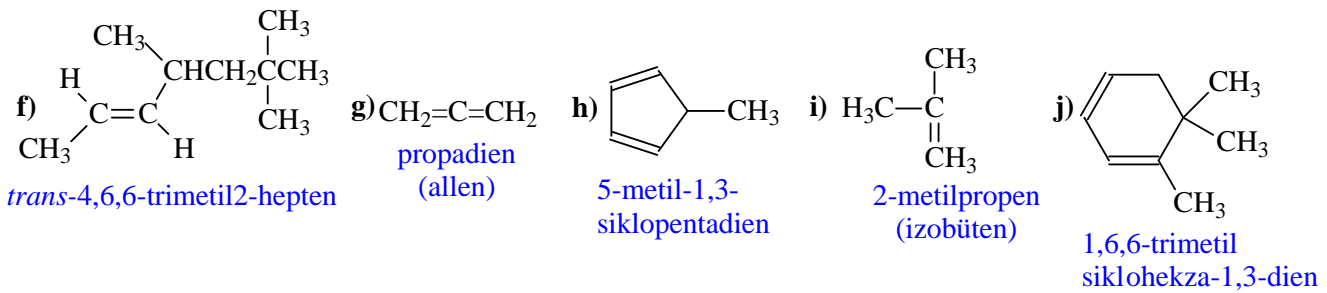
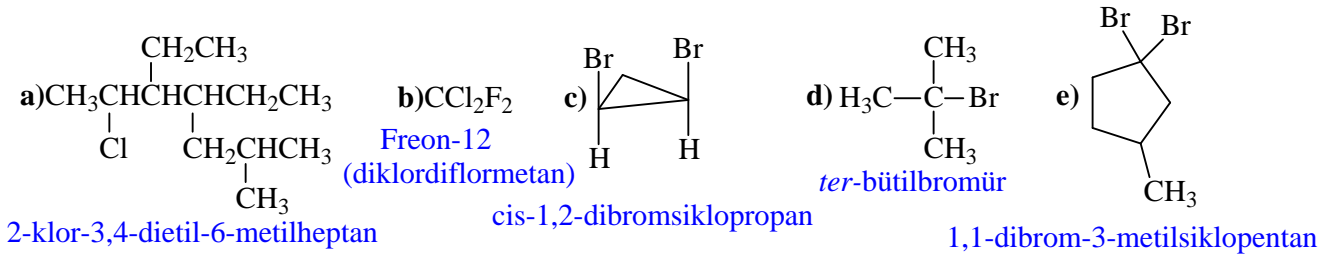
a) 2-klor-4-metilpentan b) *cis*-1-etil-3-metilsikloheksan c) *izo*heksan d) *sec*.bütilbromür e) kloroform



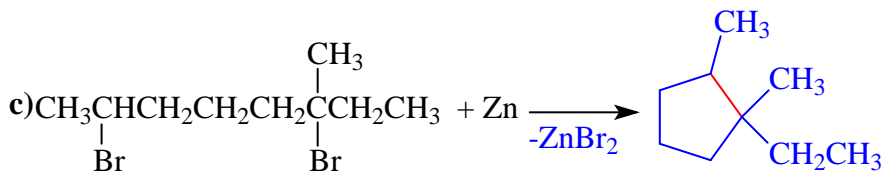
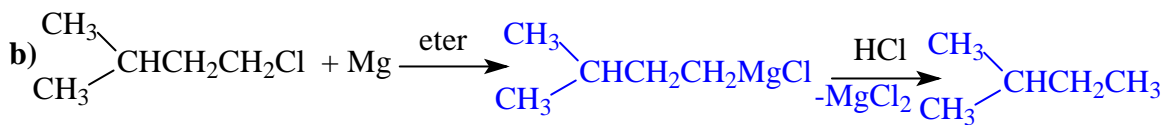
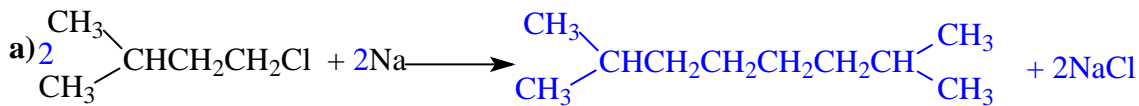
f) 3-metil-2-hekzen g) 5-klor-1,3-siklopentadien h) *trans*-3-hepten i) vinilsiklobütan j) allilklorür

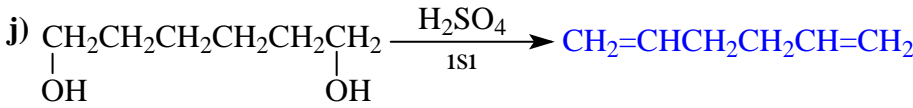
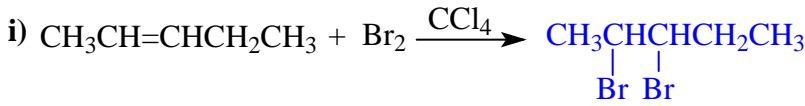
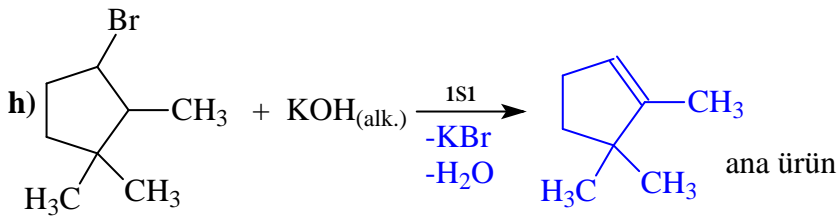
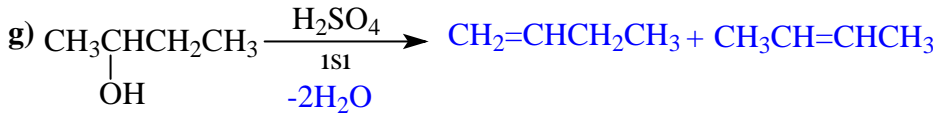
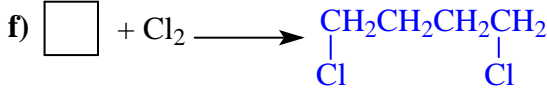
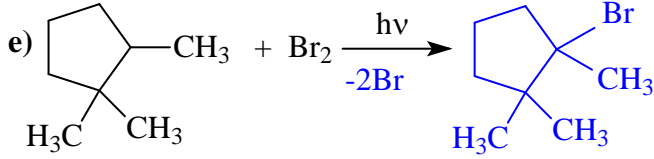
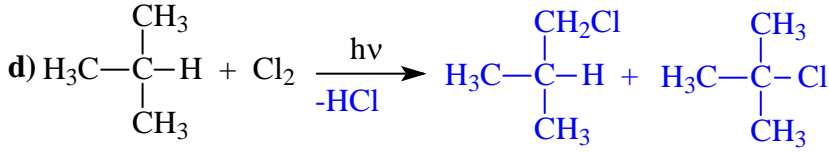


2. A a ıda formülleri verilenlerin bile iklerin adlarını yazınız (20 Puan).

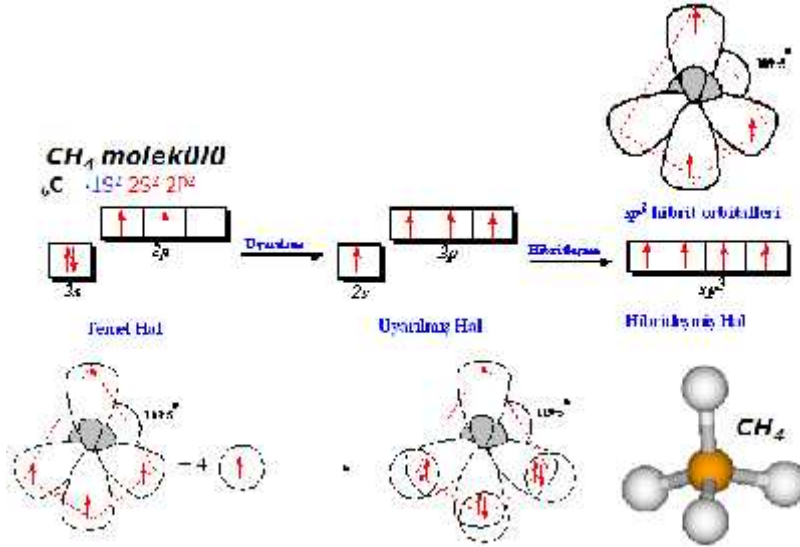


3. A a ıda verilen reaksiyonları tamamlayınız (40Puan).

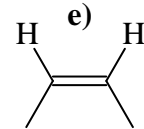
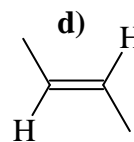
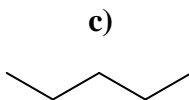
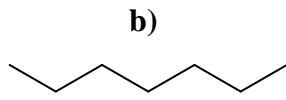
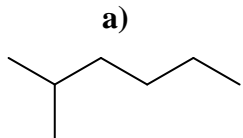




4. Karbonun hibritle mesini göstererek CH_4 molekülünün geometrik yapısını çiziniz (C=6) (10 Puan).



5. Nedenlerini açıklayarak a a ıda verilen hidrokarbonları kaynama noktalarına göre sıralayınız (10 Puan).



Zincir uzadıkça kaynama noktası yükselir dallanma arttıkça kaynama noktası düşer. Cis izomer Trans izomerden daha yüksek sıcaklıkta kaynar. $b > a > c > e > d$