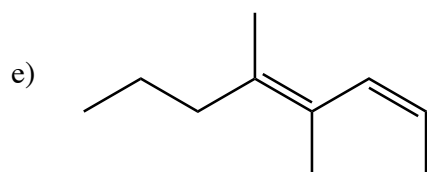
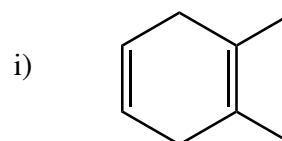
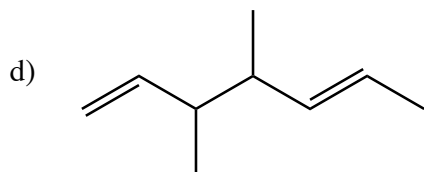
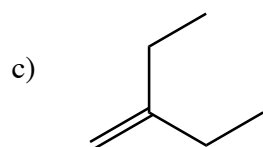
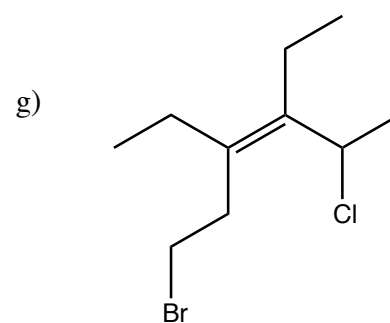
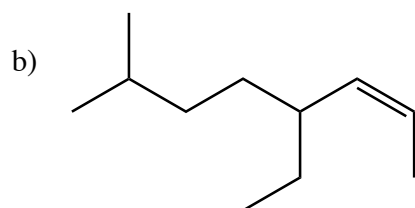
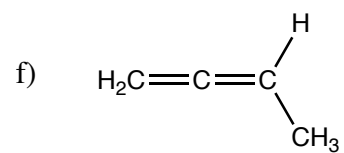
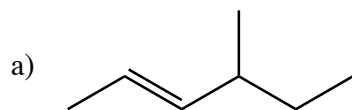


Practice Problems on Alkene Nomenclature

I. Provide a systematic name for each of the following compounds.



II. Draw a bond-line structure for each of the compounds whose systematic names are provided.

a) (4*E*)-2,4-dimethyl-1,4-hexadiene

b) 4-methyl-1,2-pentadiene

c) (3*E*, 5*Z*)-2,6-dimethyl-1,3,5,7-octatetraene

d) (3*E*, 6*E*)-3,6-dimethyl-1,3,6-octatriene

e) (3*E*, 6*E*)-3,7,11-trimethyl-1,3,6,10-dodecatetraene

f) (*trans*)-2,2,5,5-tetramethyl-3-hexene

III. Determine the configuration of the double bond; either *E* or *Z*.

