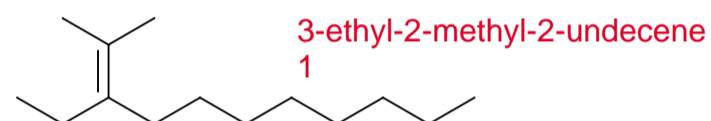
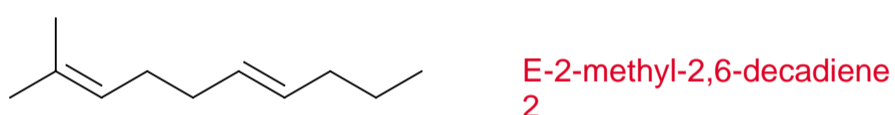
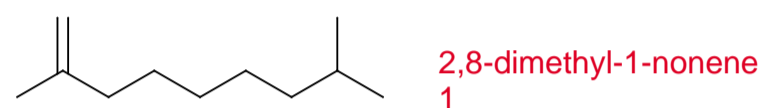
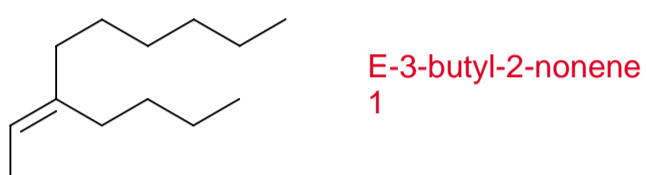
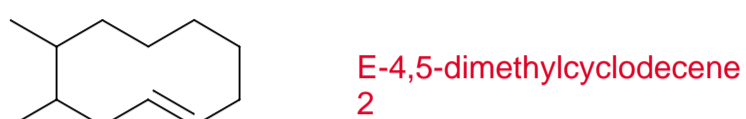
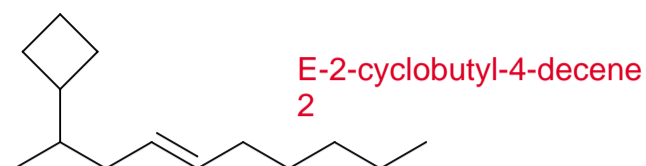
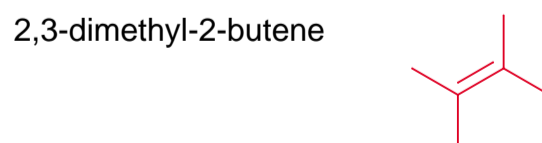
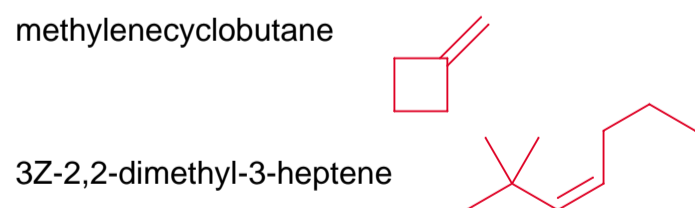
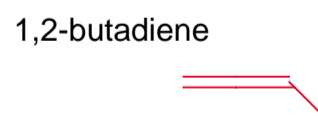
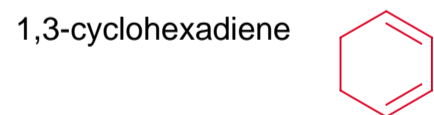
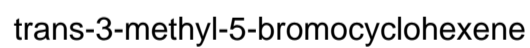
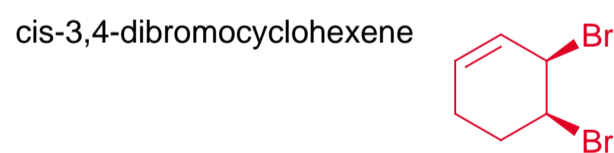
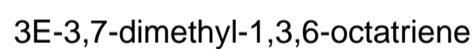
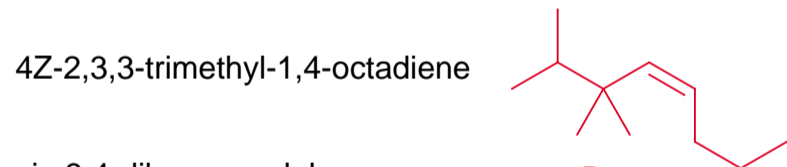


1. Give names for the following structures. Be sure to use E/Z where appropriate.



2. How many degrees of unsaturation are in each of the above molecules?

3. Draw structures for each of the following names.



4. Provide products for the following reactions.

