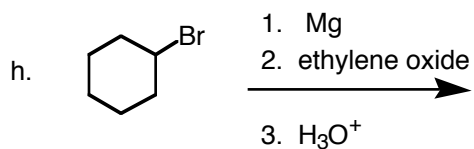
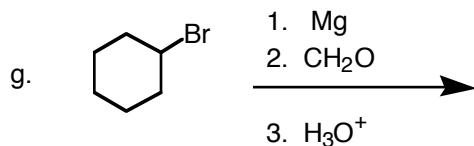
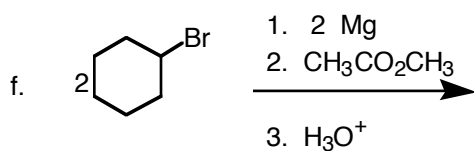
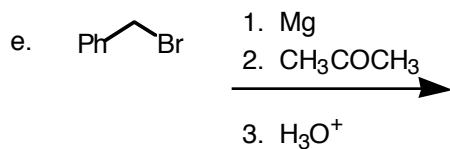
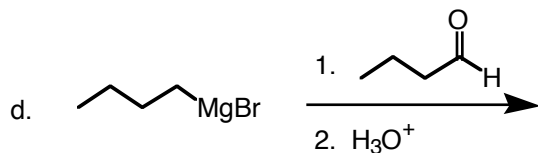
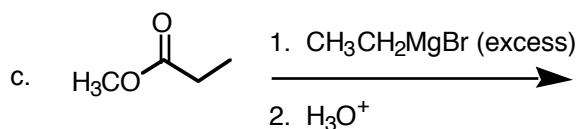
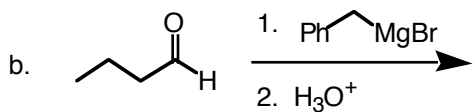
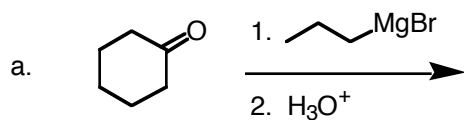


Name

Organic Chemistry II Jasperse Quiz #1 Grignard Chemistry

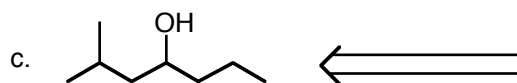
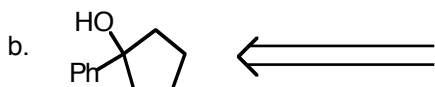
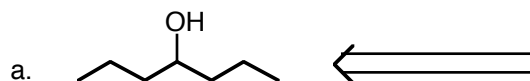
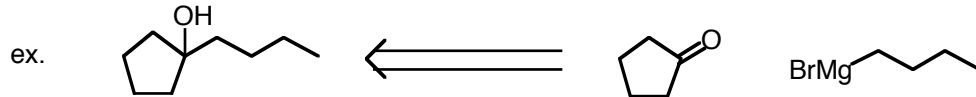
Due: Friday, January 19

1. Draw the major product for the following reactions involving Grignard reagents.



Name

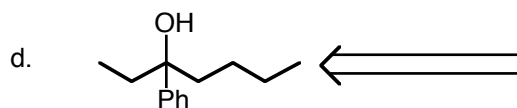
2. For each of the following, draw a Grignard reagent and a carbonyl compound (formaldehyde, an aldehyde, a ketone, or an ester) from which the alcohol shown would be produced, following acid workup.



Combo  
One

There are two possible combinations for this one. Draw both possible combinations of carbonyl compound and Grignard.

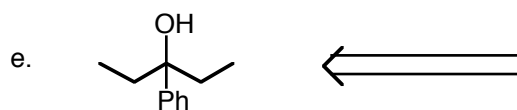
Combo  
Two



Combo  
One

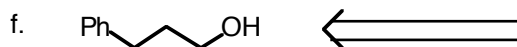
There are three possible combinations for this one. Draw all possible combinations of carbonyl compound and Grignard.

Combo  
Two



Makes this one using an ester as your carbonyl compound.

Combo  
Three



(there are two solutions, but give at least one)

Name

3. Draw the mechanisms for the following Grignard reactions.

