Quiz 4 (Wednesday Morning): Synthesis

Name:

Recitation Instructor:

You have 45 minutes to figure out the following syntheses.

1. (3 points)

\[
\begin{array}{c}
\text{cyclopentanone} \\
\rightarrow \\
\text{acetone}
\end{array}
\]

2. (3 points)

\[
\begin{array}{c}
\text{propene} \\
\rightarrow \\
\text{propene}
\end{array}
\]

3. (4 points) Show a synthesis of \[
\begin{array}{c}
\text{cyclopentene}
\end{array}
\]

using cyclopentanone

as your only carbon-based starting material